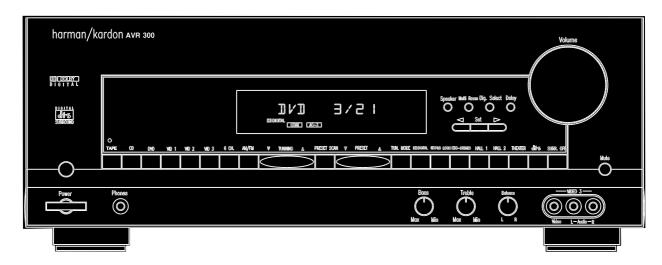
AUDIO AND VIDEO DIGITAL RECEIVER

Technical Manual



The following marks found in the parts list of this manual identify the models as follows.

: North America area model Black version

B AVR 300 RDS : Europe area model Black version

CONTENTS

SPECIFICATIONS	2
ELECTROSTATICALLY SENSITIVE(ES)DEVICE	4
LEAKAGE TEST	5
CONTROLS AND FUNCTIONS	6
SERVICE PROCEDURE	6
TEST EQUIPMENT REQUIRED	6
ALIGNMENT PROCEDURES	6
ALIGNMENT AND TEST POINTS	11
CIRCUIT DESCRIPTION	13
BLOCK DIAGRAM	16
DISASSEMBLY PROCEDURES	17
GENERAL UNIT PARTS LIST	18

OFNEDAL LINET EVOLODED VIEW	~~
GENERAL UNIT EXPLODED VIEW	20
P.C.BOARDS	21
ELECTRICAL PARTS LIST	26
IC BLOCK DIAGRAMS	48
CPU PIN CONFIGURATION	68
FLT PIN CONFIGURATION	76
SCHEMATIC DIAGRAMS E	78
SCHEMATIC DIAGRAMS B	85
PIN CONNECTION DIAGRAM	86
WIRING DIAGRAM	87
PACKING MATERIAL AND PARTS LIST	88

harman/kardon

Parts and Service Office 250 Crossways Park Dr., Woodbury, N.Y.11797 1112-AVR300 1200 Printed in KOREA

AVR-300/300RDS **CENTER AMP SECTION** RMS Output Power Nominal Limit THD(0.5%, 8 ohms, 1kHz) ≥55W All Channel Driven ≥57W **SPECIFICATIONS** S/N Ratio(Input Level: 200mV) FRONT AMP SECTION Input Shorted, IHF-A WTD ≥65dB ≥60dB Nominal Limit Frequency Respones at-3dB Continuous Power Output 8 ohms, Dolby Pro Logic 100Hz-20kHz 150Hz-20kHz (STEREO MODE), Input: CD ≥63W ≥60W (Speaker Mode: Small) THD: 0.08%, 8 ohms Both Channel Driven(20Hz-20kHz) **REAR AMP SECTION** (SURROUND MODE) RMS Output Power Nominal Limit ≥57W ≥55W THD: 0.5%, 8 ohms, 1kHz THD(0.5%, 8 ohms, 1kHz) All Channel Driven THD: at 60W, 8 ohms, Input: CD ≥57W ≥55W S/N Ratio(Input Shorted, IHF-A WTD) 20Hz ≤0.03% ≤0.08% 1kHz ≤0.03% ≤0.08% Delay: 20ms, Input Level: 200mV ≥60dB ≥65dB 20kHz ≤0.03% ≤0.08% Frequency Response at-3dB 8 ohms, Dolby Pro Logic IM Distortion at 70W, 8 ohms, Vol : Max. 100Hz-7kHz 150Hz - 7kHz ≤0.03% ≤0.08% (Speaker Mode: Small) Input Sensitivity for Rated Power Output(60W) **SUB WOOFER SECTION** CD/DVD/TAPE MONITOR 200mV 170~230mV Line level at Pre-Out ≥1V MID1/VID2/VID3 200mV 170~230mV Surround mode: BYPASS(STEREO) S/N Ratio Input Shorted at 1 kHz 1W Output(WTD IHF-A) Input Signal: L ch (only) 200mV CD >82dB Master Volume: +5dB 70Hz cut off Low pass crossover frequency Tone Control 24dB/octave Slope (Low Pass Filter) Bass: 100Hz $+10dB + 10dB \pm 3dB$ -10dB - 10dB±3dB Treble: 10kHz +10dB +10dB±3dB **VIDEO AMP SECTION** - 10dB -10dB±3dB Input sensitivity / impedence 1Vp-p/75Ohm + / - 1dBFrequency Response at-3dB VID1/VID2/VID3 Output Level / Impedance Mode: Stereo(1Watt) 1Vp-p/75 1Vp-p/75Ohm + / - 1dBVID1/VID2/VID3 10Hz-80kHz 10Hz-70kHz Frequency Response at-3dB DC-8 MHz DC-6 MHz Channel Crosstalk Input Shorted by 1 K Ohms 10Hz ≥63dB ≥55dB 1kHz ≥63dB ≥55dB **FM SECTION** ≥62dB ≥45dB 10kHz Tuning Cover Range 100kHz Step for AVR-300 87.50-108.00MHz

Tuning Cover Range 50 kHz Step for AVR-30	00RDS		Image Rejection(at 999kHz)	≥40dB	≥30dB
			IF Rejection(at 999/1000kHz)	≥50dB	≥45dB
Mono Usable Sensitivity(75 ohms Input, 98N	1Hz)		AGC Figure of Merit(From 100mV/m at 999	9/1000kHz)	
	≤14.2dbf	≤17.2dbf		≥50dB	≥45dB
Image Rejection(at 98MHz)			Distortion(999/1000kHz, 30% MOD, 50mV,	/m Input)	
	≥80dB	≥70dB		≤1.0%	≤2.0%
IF Rejection(at 90MHz)	≥90dB	≥80dB	Frequency Response(999/1000Hz)		
46dB Queting Sensitivity(at 98MHz, 100% M	OD.)		At-3dB	100Hz-2.2kHz 1	50Hz-1.8kHz
Stereo	≤39.2dbf	≤43.3dbf	Selectivity(999/1000Hz)		
Distortion(1kHz, 75kHz dev. At 98MHz, 71db	of Input)		9kHz/10kHz	≥30dB	≥25dB
Mono	≤0.3%	≤0.5%	S/N Ratio(999/1000kHz, With Antenna Inpo	ut 5mV/m)	
S/N Ratio(500uV Input, 100% MOD. At 98MH	Hz)			≥45dB	≥40dB
Stereo	≥65dB	≥60dB	Overload Break-up at 999/1000kHz(THD 1	0%)	
Frequency Response(30Hz-15kHz)				≥100mV/m	≥500mV/m
AVR-500 De-Emphasis: 75 µs	+0.5dB	+1.0dB	Tape Output Level at 999/1000kHz(5mV/m	ı Input)	
AVR-500RDS De-Emphasis : 50 µs	-2.0dB	-4.0dB		200mV	160-240mV
AM Suppression at 98MHz	≥50dB	≥45dB			
Muting Threshold(at 98MHz)	31.2dbf	39.2dbf			
Overload Break-up at 98MHz	71dbf	65dbf			
Capture Ratio at 65dbf	71dbf	65dbf			
Stereo Separation(at 98MHz, 100% MOD, 50	00#V Input)		OFNEDAL		
IHF Band Pass Filter	≤2dB	≤2dB	GENERAL Power Consumption		
1kHz	≥40dB	≥40dB	At Rated Power All Channel Driven	400\4/	
Tape out Level(at 98MHz)	500mV	350-650mV	Idling at Minimum Volume Control	420W	
			idining at ivinimitatiti volutile Control	78W	

AM SECTION		
	Nominal	Limit
Tuning Cover Range(MW)		
AVR-300 : 10kHz/Step	520-1710kHz	
AVR-300RDS : 9kHz Step	522-1611kHz	
Usable Sensitivity(MW, at 999 / 1000kHz)	≤500uV/m	≤1000uV/m

Power Supplies :	
USA/Canada(AVR 300)	AC120V, 60Hz
Europe(AVR 300RDS)	AC230V, 50Hz
Dimension(W x H x D)	
Inches	17.3×6.5×17.1
MM	440×165×435
Weight(lbs/kgs)	32/14.5

These specifications are service target specs.

Specifications and components are subject to change without notice.

Overall performance will be maintained or improved.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor "chip" components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build-up or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical change sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together or your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES devices.

PRODUCT SAFETY NOTICE

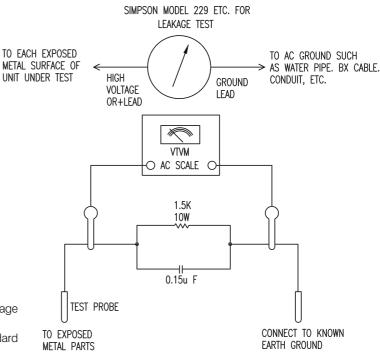
Each precaution in this manual should be followed during servicing.

Components identified with the IEC symbol in the parts list are special significance to safety. When replacing a component identified with in the parts list are special significance to safety. When replacing a component identified with in the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

LEAKAGE TEST(FOR SERVICE ENGINEERS IN THE U.S.A)

Before returning the unit to the user, perform the following safety checks:

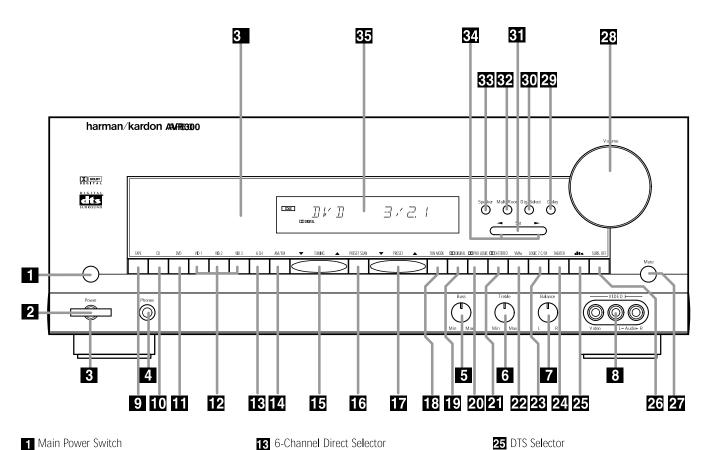
- Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the unit.
- 2. Be sure that any protective devices such as nonmetallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc. Which were removed for the servicing are properly re-installed.
- 3. Be sure that no shock hazard exists; check for leakage current using Simpson Model 229 Leakage Tester, standard equipment item No. 21641, RCA Model WT540A or use alternate method as follows: Plug the power cord directly Into a 120 volt AC receptacle (do not use an Isolation Transformer for this test). Using two clip leads, connect a



1500 ohms, 10watt Resistor paralleled by a 0.15uF capacitor, in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit. Use a VTVM or VOM with 1000 ohms per volt, or higher sensitivity to measure the AC voltage drop across the resistor. (See diagram) Move the resistor connection to each exposed metal part having a return path to the chassis (antenna, metal, be performed with the 0.35 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.

CONTROLS AND FUNCTIONS

Front Panel



- 1 Main Power Switch
- 2 System Power Control
- 3 Power Indicator 4 Headphone Jack
- 5 Bass Control
- 6 Treble Control
- 7 Balance Control
- 8 Video 3 Inputs
- 9 Tape Selector
- **10** CD
- 11 DVD Input Selector
- **12** Video Input Selectors
- **1 Main Power Switch:** Press this button to apply power to the AVR300. When the switch is pressed in, the unit is placed in a Standby mode, as indicated by the amber LED 3 surrounding the **System Power** control **2** . This button MUST be pressed in to operate the unit. To turn the unit off and prevent the use of the remote control, this switch should be pressed until it pops out from the front panel so that the word "OFF" may be read at the top of the switch.

NOTE: In normal operation this switch is left in the ONO position.

2 System Power Control: When the Main **Power Switch 1** is "ON," press this button

- **15** Tuning Button **16** Preset Scan 17 Preset Stations Selector
- 18 Tune Mode

14 AM/FM

- **19** Dolby Digital Selector **20** Dolby Pro Logic Selector
- 21 Dolby 3 Stereo Selector
- **22** VMAx mode Selector
- 23 Logic 7 Mode Selector **24** Theater Mode Selector
- to turn on the AVR300; press it again to turn the unit off. Note that the **Power Indicator** surrounding the switch 3 will turn green when the unit is on.
- **3 Power Indicator:** This LED will illuminate in amber when the unit is in the Standby mode to signal that the unit is ready to be turned on. When the unit is in operation, the indicator will turn green.
- 4 Headphone Jack: This jack may be used to listen to the AVR300's output through a pair of headphones. Be certain that the headphones have a standard 1/4" stereo phone plug. Note that the main speakers will automatically be turned off when the headphone jack is in use.

- 25 DTS Selector **26** Surround Off
- **27** Mute
- 28 Volume Control
- 29 Delay
- **30** Digital Input Selector
- 31 Set Button
- **32** Multiroom Selector **33** Speaker Select Button
- **34** Selector Buttons
- 35 Information Display 36 Remote Sensor Windo
- **5** Bass Control: Turn this control to modify the low-frequency output of the left/right channels by as much as ± 10 dB. Set this control to a suitable position for your taste or room acoustics.
- 6 Treble Control: Turn this control to modify the high-frequency output of the left/right channels by as much as ± 10 dB. Set this control to a suitable position for your taste or room acoustics.
- **7** Balance Control: Turn this control to change the relative volume for the front left/right channels.

NOTE: For proper operation of the surround modes this control should be at the midpoint, or "12 o'clock" position.

- 8 Video 3 Inputs: These audio/ video inputs may be used for temporary connection of video games, camcorders, digital still cameras or portable audio products. To select a source connected to these jacks, press the Vid 3 Input Selector 12
- **9 Tape Selector:** Press this button to select the device connected to the **Tape In** jacks 25 as the listening source.
- **10 CD:** Press this button to select the device connected to the **CD Input** jacks **7** as the listening source.
- 11 DVD Input Selector: Press this button to select the device connected to the **DVD Input** jacks **5** as the listening and viewing source.
- 12 Video Input Selectors: Press one of these buttons to select a source connected to the rear panel **Video** inputs **1 20**, or the front panel Video 3 input 8
- **13 6-Channel Direct Selector:** Press this button to select the output of an optional, external 6-channel decoder connected to the 6-**Ch Direct** inputs **6** as the listening source.
- **14 AM/FM:** Press this button to select the tuner as the AVR300's input source. When it is first pressed the last station tuned will be heard. Press it again to change between AM and FM bands.
- **15 Tuning Button:** Press the **l**eft side of the button to tune lower frequency stations and the right side of the button to tune higher frequency stations. When a station with a strong signal is reached, the **TUNED** indicator will illuminate in the Information Display 33

To tune manually, tap the button lightly and note that the tuner will step up one frequency step button press. When the button is held for a few seconds you will note that the unit will quickly search the frequency band. Release it once the fast tuning starts and the tuner will automatically scan for the next station with an acceptable signal and then stop.

16 Preset Scan: Press this button to automatically scan through the stations that have been programmed in the AVR300's memory. The tuner will play five seconds of each station before moving to the next preset station. To stop the scan when the desired station is heard, press the button again.

- 17 Preset Stations Selector: Press this button to select stations that have been entered into the preset memory.
- **18** Tune Mode: Press this button to select the stereo or mono mode for FM tuning. In the STEREO mode a **Stereo** indicator **S** will illuminate in the information display, and stereo reception will be provided when stations are transmitting stereo signals. In the MONO mode the left and right signals from stereo broadcasts will be mixed together and reproduced through all channels. Select MONO for better reception of weak signals.
- 19 Dolby Digital Selector: Press this button to select the Dolby Digital surround mode when listening to a program that carries the Dolby Digital information.
- **20 Dolby Pro Logic Selector:** Press this button to select the Dolby Pro Logic surround mode when listening to an analog program that is encoded with surround-sound informa-
- 21 Dolby 3 Stereo Selector: Press this button to select the Dolby 3 Stereo listening mode. This mode is used primarily when a center channel speaker, but no surround speakers, are installed.
- 22 VMAx Mode Selectors: Press this button to activate the VMAx mode. When only front left and right speakers are installed, VMAx uses proprietary circuits to create a virtual surround sound.
- **23** Logic 7 Mode Selector: Press this button to activate the Logic 7 modes. One press brings up the Logic 7 Cinema mode, another press brings up the Logic 7 Music Mode. When a stereo source is in use, Logic 7 delivers sound to all five speakers, creating a multi-channel soundfield.
- **24** Theater Mode Selector: Press this button to activate the Theater Mode as an alternate surround mode when stereo sources are in use.
- **25 DTS Selector:** Press this button to select DTS decoding when listening to an audio or video program that is encoded in the DTS for-
- **26 Surround Off:** Press this button to turn off all surround processing, and to listen to a program in traditional stereo from the left front and right front speakers only.

- **27 Mute:** Press this button to momentarily silence the speaker and headphone outputs of the AVR300.
- **28 Volume Control:** Turn the knob clockwise to increase volume, counterclockwise to decrease the volume. If the AVR is muted, adjusting volume control will automatically release the unit from the silenced condition.
- 29 Delay: Press this button to begin the sequence of steps required to enter delay time settinas.
- 30 Digital Input Selector: When playing a source that has a digital output, press this button to select between the **Optical 29** and Coaxial @Digital inputs.
- 31 Set Button: When making choices during the setup and configuration process, press this button to enter the desired setting, as shown in the **Information Display 35**, into the AVR300's memory.
- **32 Multiroom Selector:** Press this button to activate the AVR300's Multiroom system.
- 33 Speaker Select Button: Press this button to begin the process of selecting the speaker positions that are used in your listening room.
- 34 Selector Buttons: When you are establishing the AVR300's configuration settings, use these buttons to select between the choices available, as shown in the **Information Display** 35
- **35** Information Display: This display delivers messages and status indications to help you operate the receiver.
- **36** Remote Sensor Window: The sensor behind this window receives infrared signals from the remote control. Aim the remote at this area and do not block or cover it unless an external remote sensor is installed.

 Program/Command Indicator AVR Selector 3 CD/Tape/DVD Input Selectors Power Off Button 6 Sleep Button Surround Mode/TV Channel Selectors 6 Channel-Select Button Set Button $\mathbf{\Phi}$ ■ Button Digital Select/Exit 6-Ch. Direct Input **P** 13 Input Selector Buttons 1 Tuner Mode **1** Memory Button **1** Numeric Keys OSD/Info Button Macro 1/2 Buttons B **1** Direct/Macro 3 Button 20 Clear/Macro 4 Button 21 Enter Button 22 Preset Up/Down 23 Tuning Up/Down 24 Forward/Reverse Transport Buttons 25 AM/FM Tuner Select 20 Night Mode 2 Multiroom Delay 23 2 **▶**Button

IMPORTANT NOTE: The AVR300's remote may be programmed to control up to eight devices, including the AVR300. Before using the remote, it is important to remember to press the **Device Control Selector** button ② ③ ⑤ that corresponds to the unit you wish to operate. In addition, the AVR300's remote is shipped from the factory to operate the AVR300 and most Harman Kardon CD or DVD players and cassette decks. The remote is also capable of operating a wide variety of other products using the control codes that are part of the remote. Before using the remote with other products, follow the instructions on pages 27-29 to program the proper codes for the products in your system.

Speaker Select

Volume Up/Down

Video Device Selectors

TV/VCR Button

Mute

Test

(1)

(1)

32

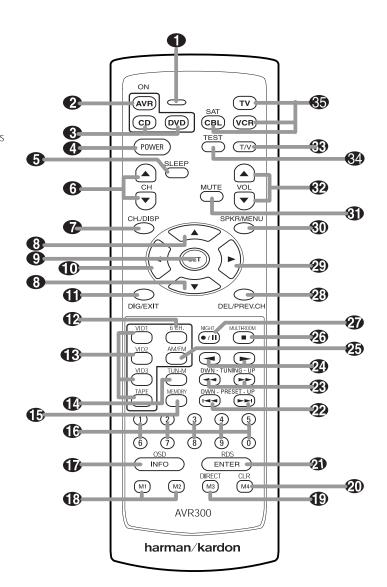
3

33

33

It is also important to remember that many of the buttons on the remote take on different functions, depending on the product selected using the Device Control Selectors. The descriptions shown here primarily detail the functions of the remote when it is used to operate the AVR300

Command Indicator: This LED lights briefly when a button is pushed to confirm that an infra-red (IR) commande is being sent by the remote.



2 AVR Selector: Pressing this button will switch the remote so that it will operate the AVR® functions. If the AVR is in the Standby mode, it will also turn the AVR on.

3 CD/DVD Input Selectors: Pressing one of these buttons will perform three actions at the same time. First, if the AVR is not turned on, this will power up the unit. Next, it will select the source shown on the button as the input to the AVR. Finally, it will change the remote control so that it controls the device selected. After pressing one of these buttons you must press the **AVR Button 2** again to operate the AVR's functions with the remote.

Power Off Button: Press this button to place the unit in the Standby mode. Note that this will turn off the main room functions, but if the Multiroom system is activated, it will continue to function.

Sleep Button: Press this button to place the unit in the Sleep mode. After the time shown in the display, the AVR300 will automatically go into the Standby mode. Each press of the button changes the time until turn-off in the following order:

Press and hold the button for two seconds to turn off the Sleep mode setting.

Note that this button is also used to change channels on your TV when the TV is selected using the **Device Control Selectors**3 35.

When the AVR300 remote is being programmed for the codes of another device, this button is also used in the "Auto Search" process.

Surround Mode/TV Channel
Selectors: Press this button to begin the process of changing the surround mode.
After the button has been pressed, use the

✓ buttons ③ to select the desired surround mode.Note that this button is also used to ture channels when the TV is selected using the

Device Control Selector ③5. When the AVR300 remote is being programmed for the codes of another device, this button is also used in the "Auto Search" process.

Channel-Select Button: This button is used to start the process of setting the AVR300's

output levels to an external source. Once this button is pressed, use the ▲ / ▼ buttons to select the channel being adjusted, then press the Set button , followed by the ▲ / ▼ buttons again, to change the level setting.

Buttons: These are multi-purpose buttons. They will be used most frequently to select a surround mode. To change the surround mode, first press the SURR/CH ▼ button Next press these buttons to scroll up or down through the list of surround modes that appear in the Information Display 15. These buttons are also used to increase or decrease output levels when configuring the unit with either the internal test tone or an external source. They are also used to enter delay time settings after the Delay button has been pressed.

9 Set Button: This button is used to enter settings into the AVR300's memory. It is also used in the setup procedures for delay time, speaker configuration and channel output level adjustment.

● Button: This button is used to change the menu selection or setting during some of the setup procedures for the AVR.

Digital Select: Press this button to assign one of the digital inputs **23 24** to a source

6-Ch. Direct Inputs: Press this button to select the component connected to the 6-Ch. direct Input (a) as the source

Input Selectors: Press one of these buttons to select one of the video inputs or the tape input as the source for the AVR. Pressing one of these buttons when the AVR 300 is in the Standby mode will also turn the unit on.

Tuner Mode: Press this button when the tuner is in use to select between automatic tuning and manual tuning. When the button is pressed so that the AUTO indicator goes out, pressing the Tuning buttons will move the frequency up or down in single-step increments. When the FM band is in use, pressing this button when a station's signal is weak will change to monaural reception, as indicated by the MONO indicator

Memory Button: Press this button to enter a radio station into the AVR300's preset memory. After pressing the button the MEMORY indicator will flash; you then have five seconds to enter a present memory location using the Numeric Keys 16.

Numeric Keys: These buttons serve as a ten-button numeric keypad to enter tuner preset positions. They are also used to select channel numbers when TV has been selected on the remote, or to select track numbers on a CD, DVD or LD player, depending on how the remote has been programmed.

OSD Button: Press this button to view the on-screen displays.

(B) Macro 1-2 Buttons: These buttons are used to recall or enter the programming sequence for a preprogrammed Macro sequence.

19 Direct/Macro 3 Button: This button has two functions. Pressing it when the tuner is in use will start the sequence for direct entry of a station's frequency. After pressing the button simply press the proper **Numeric Keys** to select a station. This button may also be used to store or recall a macro sequence.

Clear/Macro 4 Button: This button may be used to store and recall a macro; it may also be programmed for use with other devices.

Enter Button: This button does not have a function for the **AUR**, but may have transmit the ŒnterÓ command when the remote is programmed for use with other products.

Preset Up/Down: When the tuner is in use, these buttons scroll through the stations that have been programmed into the AVR300's memory. When some source devices, such as CD players, VCRs and cassette decks, are selected using the **Device Control Selectors**3 35, these buttons will normally function

3 35 , these buttons will normally fundas chapter step or track advance.

Tuning Up/Down: When the tuner is in use, these buttons will tune up or down through the selected frequency band. If the Tuner Mode button A has been pressed so that the AUTO indicator illuminated, pressing and holding the buttons for three seconds will cause the tuner to seek the next station with acceptable signal strength for quality reception. When the AUTO indicator is NOT illuminated, pressing these buttons will tune stations in single-step increments

Forward/Reverse Transport Buttons:
These buttons do not have any functions for the AVR, but they may be programmed for the forward/reverse play operation of a wide variety of CD or DVD players, and audio or video-cassette recorders.

AM/FM Tuner Select: Press this button to select this AVR's tuner as the listening choice. Pressing this button when a tuner is in use will select between the AM and FM bands.

Night Mode: Press this button to activate the Night mode. This mode is available in specially encoded digital sources, and it preserves dialog (center channel) intelligibility at low volume levels.

Multiroom: Press this button to activate the Multiroom system or to begin the process of changing the input or volume level for the second zone.

Delay/Prev Ch.: Press this button to begin the process for setting the delay times used by the AVR300 when processing surround sound. After pressing this button, the delay times are entered by pressing the Set button and then using the A/V buttons to change the setting. Press the Set button again to complete the process.

Button: Press this button to change a setting or selection when configuring many of the AVR's settings.

Speaker Select: Press this button to begin the process of configuring the AVR300's Bass Management System for use with the type of speakers used in your system. Once the button has been pressed, use the ▲/▼ buttons ③ to select the channel you wish to set up. Press the Set button ⑤ and then select another channel to configure. When all adjustments have been completed, press the Set button twice to exit the settings and return to normal operation.

Mute: Press this button to momentarily silence the AVR300 or TV set being controlled, depending on which device has been selected.

When the AVR300 remote is being programmed to operate another device, this button is pressed with the **Device Control Selector** button

35 to begin the programming process.

Volume Up/Down: Press these buttons to raise or lower the system volume.

TV/VCR Button: This button does not have a control function for the AVR 300, but it is available for use with other devices When the remote is controlling a VCR, it will typically perform the TV/VCR switch function.

14 Test Tone: Press this button to begin the sequence used to calibrate the AVR300's output levels.

Video Remote Selectors: Press one of these buttons to use the remote to control the functions of the device shown on the button.

NOTE: As any of these buttons is pressed, it will briefly flash red to confirm your selection.

SERVICE PROCEDURE

A C

This service program can clear all memorized operations and functions.

When the POWER ON, press the "AM FM" button while pressing the "PRO LO IC"button.

After this, Preset memory will be set to these frequencies.

	VERSION	P1	P2	P3	P4	P5	P6	P7	P8
FM	120	87.5	88.0	90.0	95.0	98.0	99.0	106.0	108.0
FIVI	230RDS	87.50	88.00	90.00	95.00	98.00	99.00	106.00	108.00
	VERSION	P9	P10	P11	P12	P13	P14	P15	
AM	120	520	600	610	1000	1400	1500	1710	
	230RDS	522	594	999	1395	1611			

This set do not have VFD segment check function because lack of u-com memory size So For your checking VFD states according to each function Please refer to owners manual process.

T T UI NT UI

- 1) AM FM Signal generator
- 2) Digital Multimeter
- 3) Distortion lever meter

A I N NT OC U

ONO

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM	98M z	1000uV m (60dBu) MONO 1k z	98M z	T804	0mV±0.5mV (R831)
2	antenna terminal.(750hm)	90W Z	Dev. 75k z	(P5)	T805	Distortion level at TAPE-OUT

UTIN A U T NT

Turn variable resistor VR801 and stop at position "TUNED" is not shown (not indicated), then again turn the variable resistor VR801 to the opposite revolution and stop at a position "TUNED" is shown.

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM	98M z	10uV m (20dBu) 98M z MONO 1k z Dev. 75k z	98M z (P5)	VR801	"TUNED" indicate on VFD
2	antenna terminal.(750hm)			AUTO SCAN	Only confirm	"TUNED" indicate on VFD

T O A

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal generator output to FM	Q8M 7	same specification as T O distortion adjustment. Input only L channel	98M z (P5)	VR803	Output level at TAPE-OUT channel R
2	antenna 98M z terminal.(750hm)	same specification as T O distortion adjustment. Input only R channel	98M z (P5)	VR803	Output level at TAPE-OUT channel R	

4 A O C A

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal enerator output to transmission loop antenna (standard required loop)	522k z (230,230RDS) 520k z(120)	5mV m(74dBu) 400 z MOD.30	522k z (230,230RDS) 520k z (120) (P9)	T802	1.1V~1.2V

5 A -T A

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal enerator output to transmission	6001 -(120)	5mV m(74dBu)	594k z (230,230RDS) 600k z(120)	T801	Output level(L or R) at TAPE-OUT
2	loop antenna (standard required loop)	1395k z (230,230RDS) 1400k z(120)	400 z MOD.30		CT801	Output level(L or R) at TAPE-OUT

A I A

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
4	Signal enerator output to transmission	999k z	5mV m(74dBu)	999k z (230,230RDS)	T000	Output level(L or R) at TAPE-OUT
loop	loop antenna (standard required loop)	op antenna (230,230RDS) 1000k = 7(120)	400 z MOD.30	1000k z (120)	T803	Output level(L or R) at TAPE-OUT



A A

step	Input Signal Source Connection	Signal Frequency	Source Signal Output Level and Modulation	Reception Frequency	Adjustment Point	Adjustment Value
1	Signal enerator output to transmission	999k z (230,230RDS)	1000uV m(60dBu)	999k z (230,230RDS) 1000k z(120)	VR802	"TUNED" indicate on VFD
2	loop antenna (standard required loop)	1000k z (120)	400 z MOD.30	AUTO SCAN	Only Confirm	"TUNED" indicate on VFD

A A

(1) SET CONDITION

1) SEMI VOLUME POSITION at MAIN SURROUND AMP Board; CENTER

MAIN : VR401, VR402, VR501 SURROUND : VR601, VR602

2) NO signal NO LOAD

3) AC LINE VOLTA E: 120V 60 z, 230V 50 z

- (2) After turning on the unit, keep it over than 5MIN. (eep the Power Drive TR as normal temperature)
- (3) Adjust the voltage value of primary secondary of wafer to be 10mV by rotating the semi-volume of each channel to the right

C ANN	A U T NT	A U NT	ОА	ОТ
FRONT-L ch	VR401	WA401	10±3mV	R401:22.7mA
FRONT-R ch	VR402	WA402	10±3mV	R472:22.7mA
CENTER ch	VR501	WA501	10±3mV	R501:22.7mA
SURROUND-L ch	VR601	WA601	10±3mV	R601:22.7mA
SURROUND-R ch	VR602	WA602	10±3mV	R602:22.7mA

(4) CAUTION

1) In case that POWER TR or DREVE TR is needed to be replaced for repairing, the corresponding channel should be adjusted again

FRONT AMP : 433 440
CENTER AMP : 517 520
SURROUND AMP : 633 640

A CO TOTA A

(1) SET CONDITION

1) SEMI VOLUME POSITION at MAIN SURROUND AMP Board; CENTER

MAIN : VR403, VR404, VR502 SURROUND : VR603, VR604

2) NO signal NO LOAD

3) AC LINE VOLTA E: 120V 60 z, 230V 50 z

- (2) After turning on the unit, keep it over than 5MIN. (eep the Power Drive TR as normal temperature)
- (3) Adjust the voltage value of primary secondary of wafer to be 10mV by rotating the semi-volume of each channel to the right

C ANN	A U T NT	A U NT	ОА	ОТ
FRONT-L ch	VR403	401	0±10mV	
FRONT-R ch	VR404	402	0±10mV	
CENTER ch	VR502	501	0±10mV	
SURROUND-L ch	VR603	601	0±10mV	
SURROUND-R ch	Vr604	601	0±10mV	

(4) CAUTION

1) In case that POWER TR or DREVE TR is needed to be replaced for repairing, the corresponding channel should be adjusted again

FRONT AMP : 401 440, 411 414

CENTER AMP : 501, 502, 506, 507

SURROUND AMP : 601 604, 611 614

C A

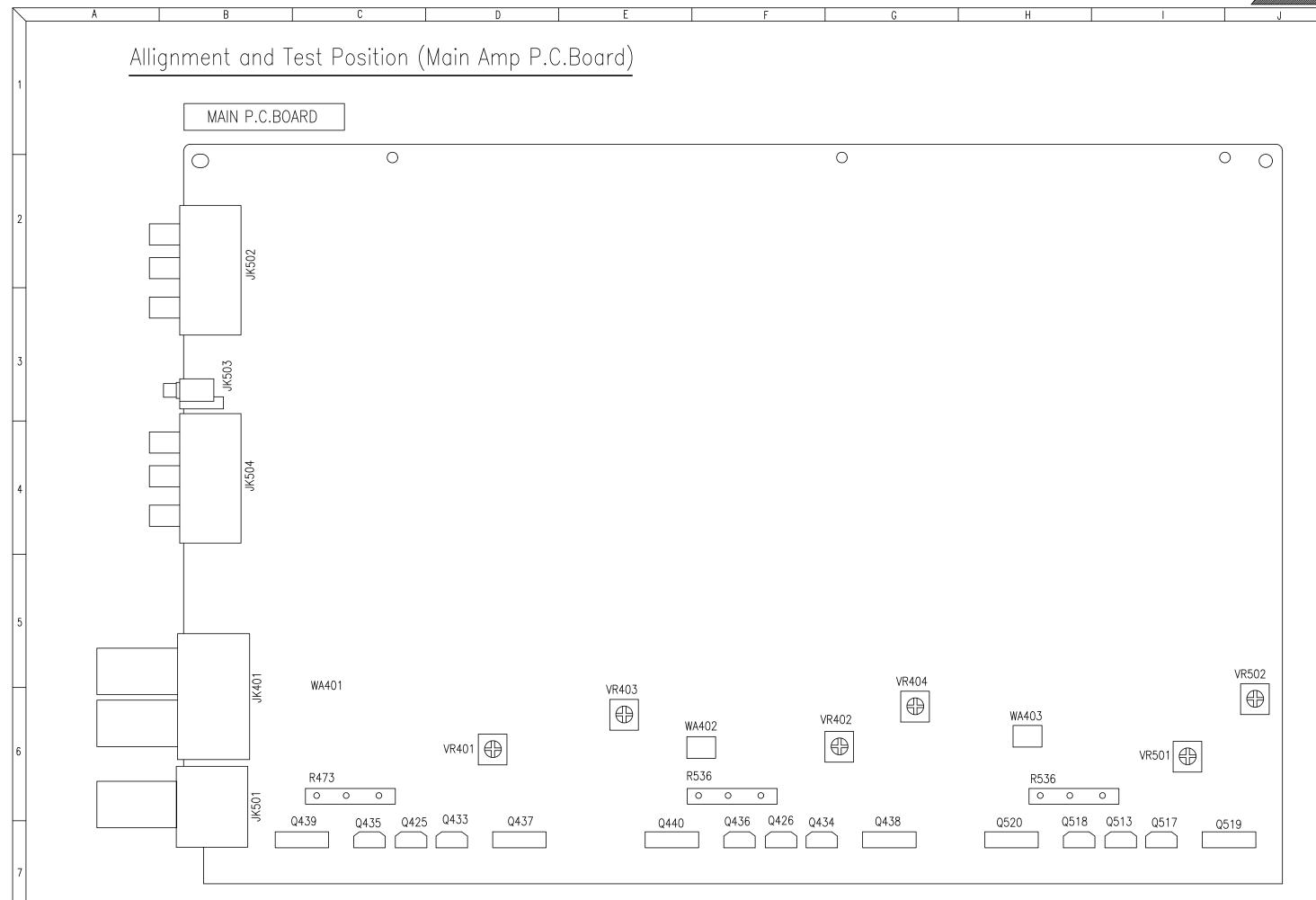
(1) At MAIN SURROUND BOARD, use the below condensors after discharging for sufficent time for preventing possible damage from electrical spark.

AIN OA	C4 C4	
U OUN OA	СС	5

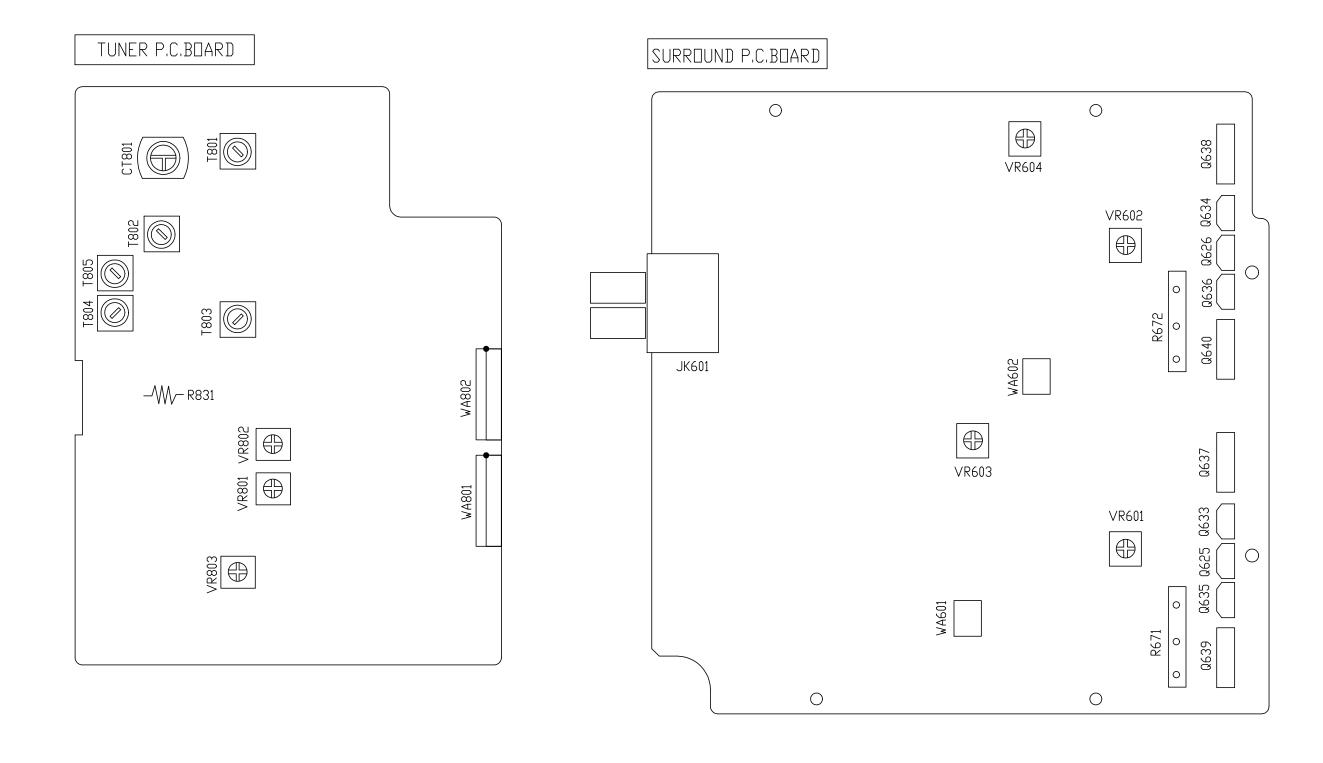
(2) The checker for MAIN SURROUND BOARD should have the discharging circuit.

Discharge over 30sec. through (4070hm 10w) resistor after turning off





Allignment and Test Position



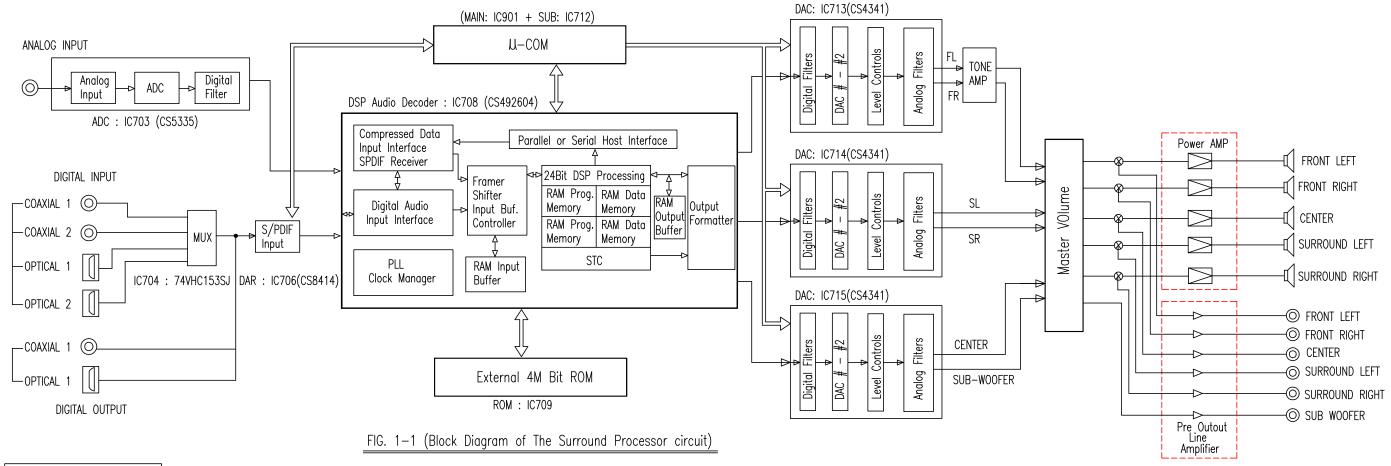
CIRCUIT DESCRIPTION

1. SURROUND CIRCUIT

This model incorporates a surround processor circuit that provides 6 types of surround sound and level trim and Bass management

Fig. 1 is a block diagram of the surround processor circuit.

The microprocessor transfers the data to the parameter control (Int-req, serial data, Serial clock, Chip selector) to operate the circuits in each mode.



2. DOLBY DIGITAL (AC-3)

Fig. 1-2 is a function block diagram of the application code when configured for Dolby Digital. It gives an idea of the interaction between the various application modules when AC3 is enabled. 2(Lt & Rt) Pro Logic Enable Bass Parameter Volume / Mute (Ls=Rs) & ACMOD=2 Output Mode Remap Pro Logic Autodetect Delay AC3 Enable Enable Decode Output Mode Control Autodetect Downmix (AC-3)Decoder CMPDAT/DA1 Bass 0.1(Sub) LFE_Enable

A B C D E F G H I J

3. PCM Input (Dolby Pro, Dolby 3 Stereo)

Fig 1-3 is a function block diagram of the application code when configured for PCM pass—through. It gives an idea of the interaction between the various application modules when PCM is enabled.

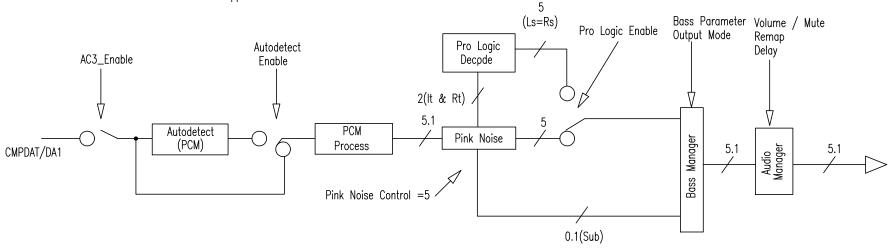


Fig 1-3 AC3 Code Configured for PCM

4. Sound Field Effect (Hall 1, Hall 2, Theater)

Fig 1—4 is a function block diagram of the application when configured for Effects processing. It gives an idea of the interaction between the various application modules when the effects ar enabled.

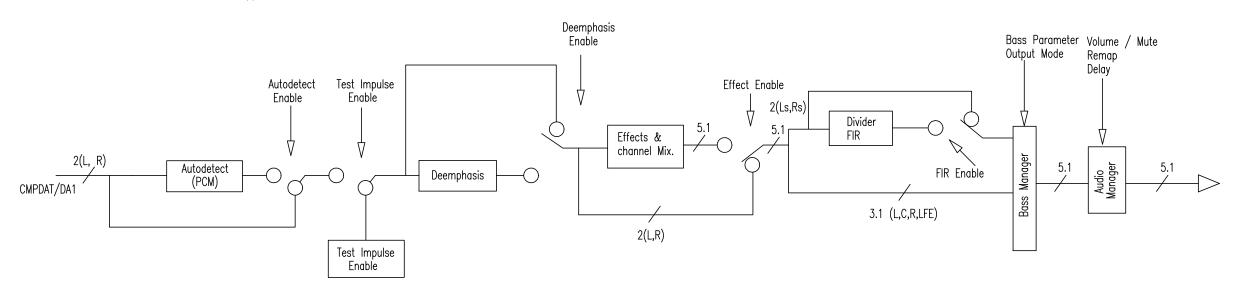


Fig 1-4 Effects Code Block Diagram

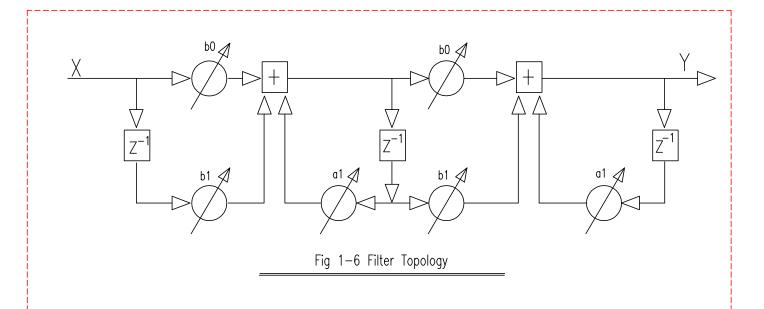
5. Bass Management

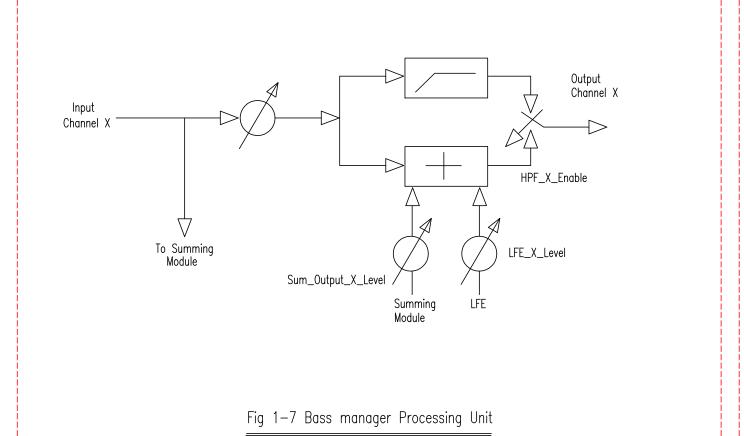
The Bass Manager is best described with the use of block diagram.

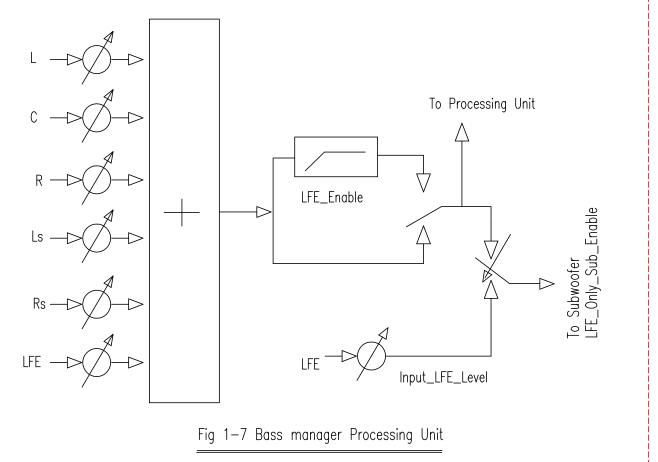
The defoult 3dB frequency for this filter is 100Hz.

Fig 1-5 shows the topology of the fikters cascaded to implement a second order filter.

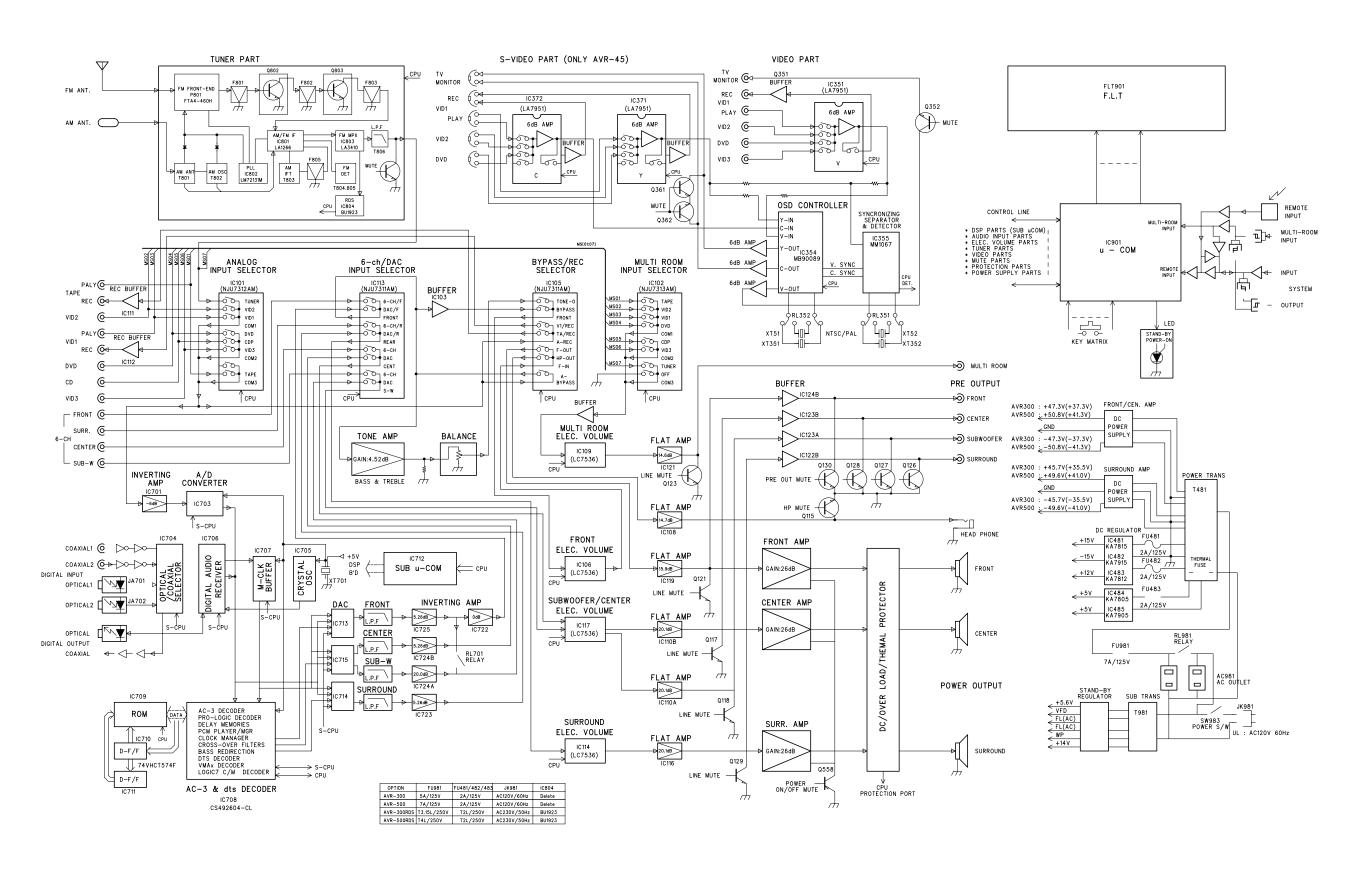
Depending on the cofficient values, either a second order low pass or second order high pass can be implement. The corner frequency can be changed by downloading new values for the coefficients a1, b0 and b1.





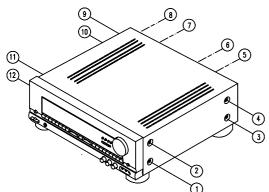


AVR-300,500/UL, RDS BLOCK DIAGRAM

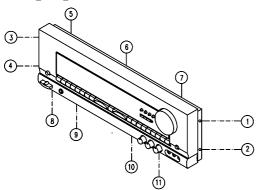


DISASSEMBLY PROCEDURE

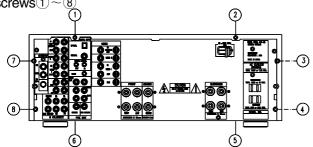
1. Removing the top cover, and Removes crews (1) ~ (12)



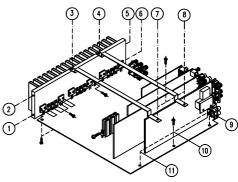
2. Removing the front panel, and Removes crews ① ~ ①



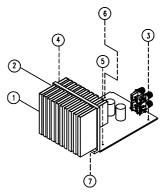
3. Removing the rear panel, and Removes crews 1 ~ 8



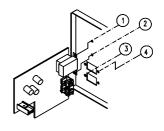
4. Removing the main PCB block, and Removes crews (1) ~ (11)



5. Removing the power PCB block, and Remove 1)~7



6. Removing the sub PCB block, and Removes crews 1 ~ 4



MAIN AMP PCB BLOCK

- 1. Removeall of the screwson Rearpanel.
- 2. Removethe Rearpanel.
- 3. RemovePCBBrk t and Guide Brk t from Main Assy.
- 4. Removeall of the screwsthat connect with main Assy.
- 5. Removethe Main PCBblock.

POWER PCB BLOCK

- 1. RemovePCBBrk t and Guide Brk t from Main Assy.
- 2. Remove4 screwsfor Power PCBmounting
- 3. Removethe POWERPCBblock.

SUB PCB BLOCK

- 1. Remove4 screwson Rearpanel.
- 2. Removethe Rearpanel.
- 3. RemovePCBBrkt and Guide Brkt from Main Assy.
- 4. Removethe SUBPCBblock.

FRONT PCB BLOCK

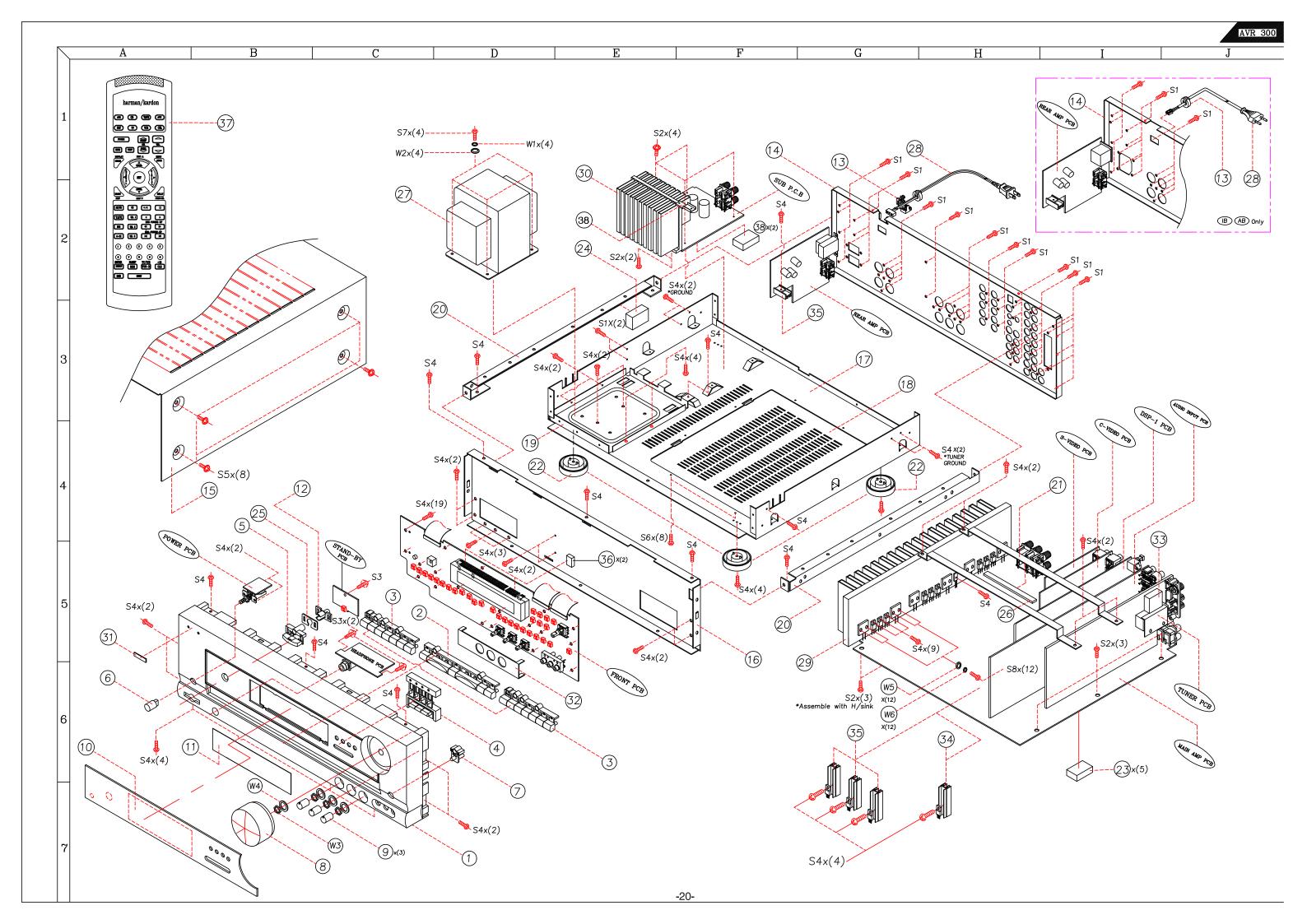
- 1. RemoveMain Assy.
- 2. Removevolume and rotary knob from the front Assy.
- 3. Removeall of the screwson back side of Front function PCB.
- 4. Removethe Front function PCB.

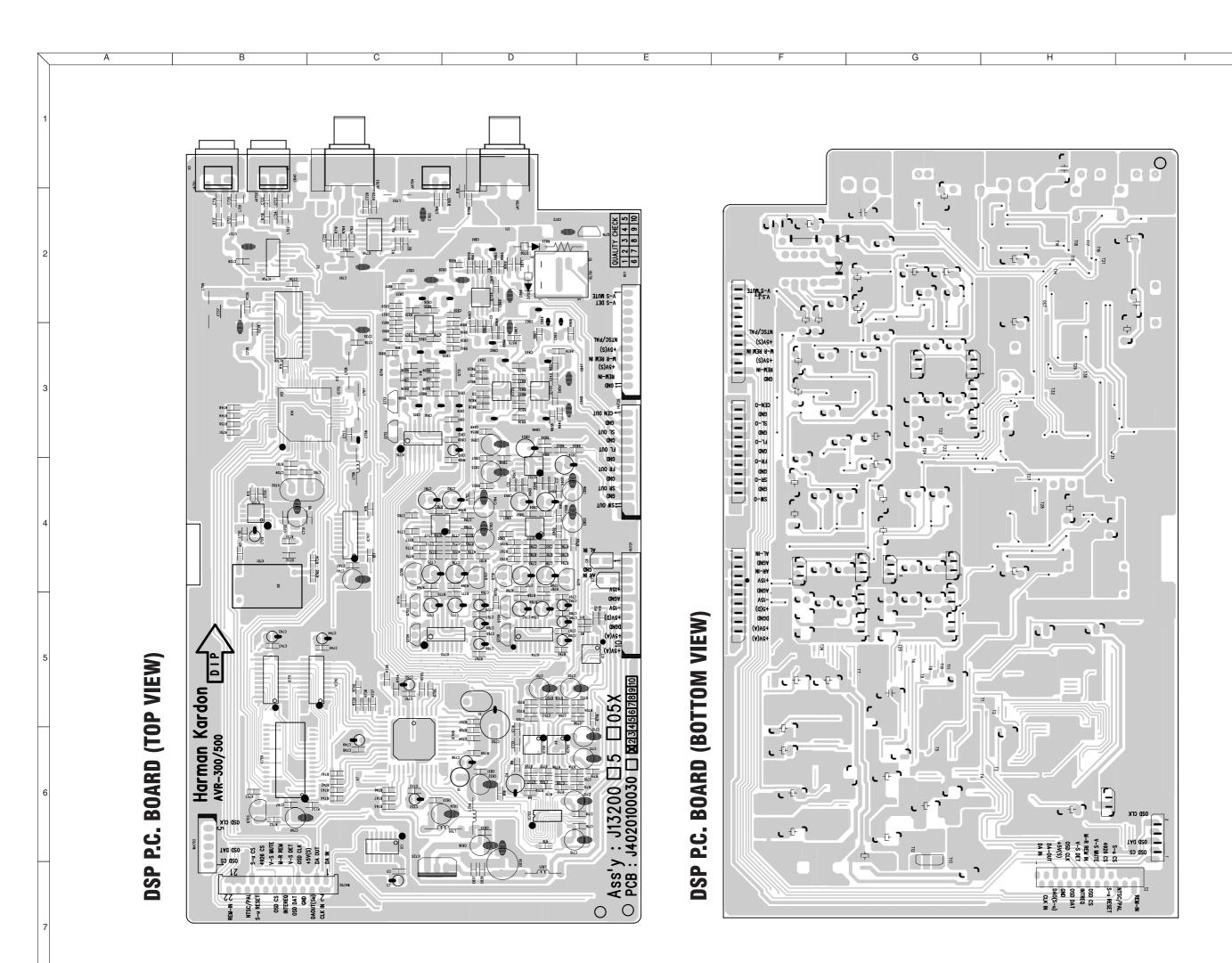
GENERAL UNIT PARTS LIST

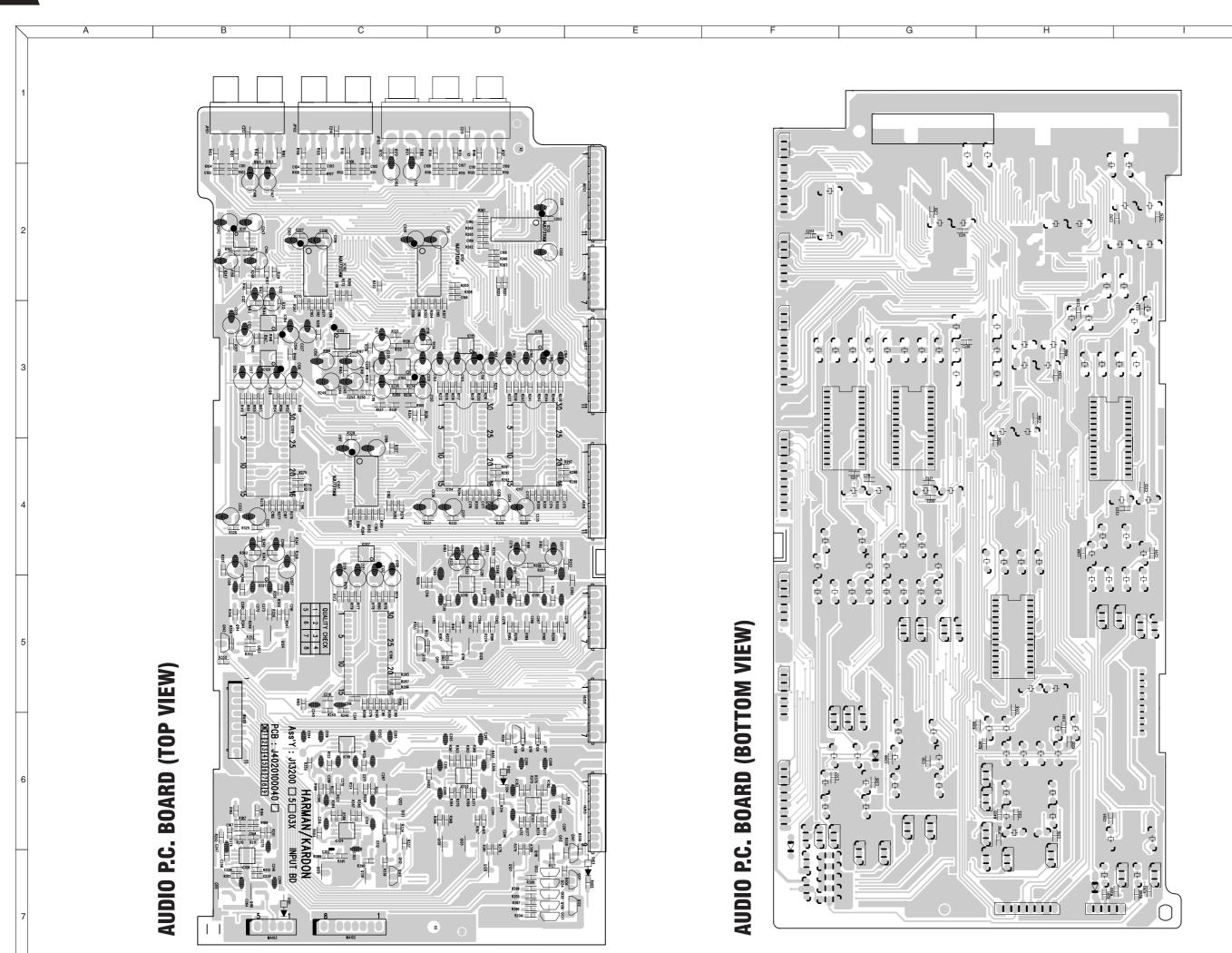
REF NO.	PARTS NO.	DESCRIPTION	Q ' TY
1	J85000501000	PANEL. FRONT	1 BK
1-A	J85300503000	PANEL. FRONT	1 IB
2	J85200501000	KNOB. FUNCTION (A)	1
3	J85200502000	KNOB. FUNCTION (B)	1
4	J85200503000	KNOB. FUNCTION (C)	2
5	J85200504000	KNOB. POWER	1
6	J85200505000	KNOB. PUSH	1
7	J85200506000	KNOB. TACT	1
8	J85100501000	KNOB. VOLUME	1
9	J85100502000	KNOB. ROTARY	3
10	J85300501000	WINDOW. FRONT	1 BK
10-A	J85300505000	WINDOW. FRONT	1 IB
11	J85300502000	FILTER. WINDOW	1
12	J85300503000	LENS. POWER	1
13	J65100000100	BUSHING. STRAIN R	1
14	J60110501000	PANEL. REAR	1 BK
14-A	J60110503000	PANEL. REAR	1 IB
15	J60100501000	COVER TOP	1
16	J60020501000	CHASSIS. FRONT	1
17	J60000501000	CHASSIS. MAIN	1
18	J60120501000	COVER. BOTTOM	1
19	J60120502000	TRANS. BOTTOM	1
20	J60200502000	FRAME. GUIDE	2
21	J60300501000	BRK'T. PCB	2
22	J85900501000	FOOT ASS'Y	4
23	J97200501000	CUSHION. PCB	5
24	J97200502000	CUSHION (A)	1
25	J67400501000	SHEET. POWER	1
26	J97200503000	CUSHION. BRK'T	2
27	J2802210024X	TRANS. POWER	1 BK
27-A	J2802410034X	TRANS. POWER	1 IB
28	J43730100100	CORD. POWER	1 BK
28-A	2161-001-032	CORD. POWER	1 IB
29	J60520051000	HEAT SINK, MAIN	1
30	J60520052000	HEATSINK. POWER	1
31	J60610503000	CASE, SHIELD (D)	1
32	J60610501000	CASE, SHIELD (F)	1 1
33	J60610502000	CASE. SHIELD (T2)	1
34 35	J60530502000 J60530601000	HEAT SINK. R3 HEAT SINK. R2	I
			E
36 37	5241-000110 J97200505000	HEAT SINK. PIN CUSHION. FLT	5 2
37 38	J97200504000 J97200504000	CUSHION (B)	2
38 39	J54000501000	REMOCON ASS'Y	2 1 BK
39-A	J54000501000 J54000503000	REMOCON ASS Y	1 BN 1 IB
39 -A 40	J60550002000	BADGE. HARMAN	1 IB
40	J00550002000	DADGE, MARIVIAIN	I

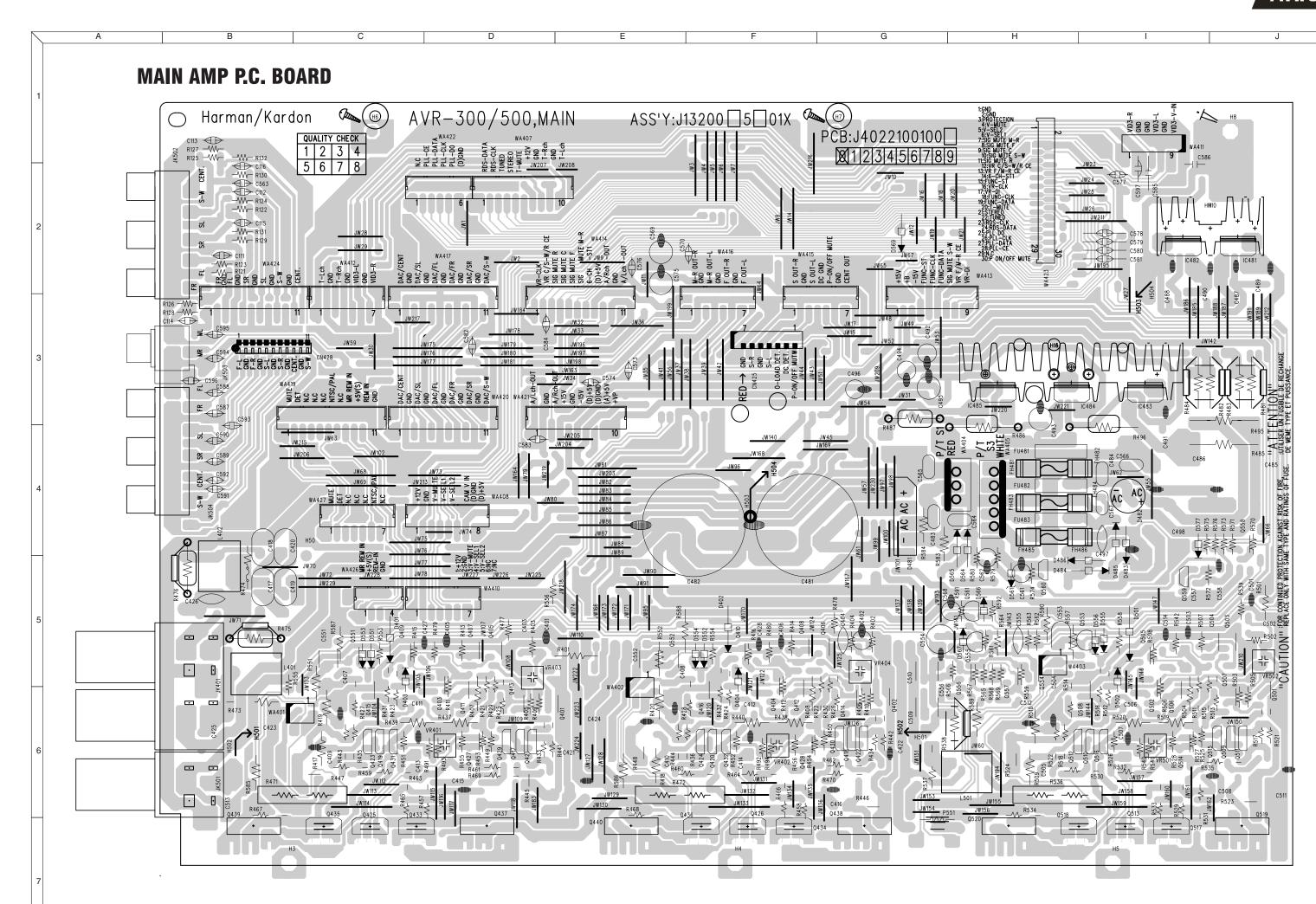
GENERAL UNIT PARTS LIST

REF NO.	PARTS NO.	DESCRIPTION	Q'TY	
41	J97200506000	CUSHION SIDE	4	
42	J97200505000	CUSHION.EMI	3	
S1	J80720301090	SCREW 3*10 TEETH COPPER	42	
S2	J5636140040X	SCREW A183008000	13	
S3	J5636140060X	SCREW S30C BTTN D12.3X10 MC	3	
S4	J5636140100X	SCREW A123008002	76	
S5	J5636140220X	SCREW A183006002	8	
S6	J5636140150X	SCREW A184008002	8	
S7	J5636140080X	SCREW A124008000	4	
S8		SCREW A113016000	10	
W1	J5541001030X	WASHER. SPRING N2.0 M4.0 MC	4	
W2	J5541001040X	WASHER. PLAT P/W 4.7X12X1.0 MC	4	
W3	J5541001010X	WASHER. SPRING NO2 M3.0 MC	20	
W4	J5541001020X	WASHER. PLAT P/W 3.3X8X0.5 MC	20	
MAIN AMP	J1320035101X	ASS'Y-PCB : MAIN AMP (BK)	1	BK
	J1320035201X	ASS'Y-PCB : MAIN AMP (IB)	1	IB
REAR AMP	J13200351021	ASS'Y-PCB : REAR AMP (BK)	1	BK
	J13200352021	ASS'Y-PCB : REAR AMP (IB)	1	IB
SUB	J13200351022	ASS'Y-PCB : SUB (BK)	1	BK
	J13200352022	ASS'Y-PCB : SUB (IB)	1	IB
C-VIDEO	J13200351023	ASS'Y-PCB : C-VIDEO (BK)	1	BK
	J13200352023	ASS'Y-PCB : C-VIDEO (IB)	1	IB
S-VIDEO	J13200351024	ASS'Y-PCB : S-VIDEO (BK)	1	BK
	J13200352024	ASS'Y-PCB : S-VIDEO (IB)	1	IB
AUDIO INPUT	J1320035103X	ASS'Y-PCB : AUDIO INPUT (BK)	1	BK
	J1320035203X	ASS'Y-PCB : AUDIO INPUT (IB)		ΙB
TUNER	J13200351041	ASS'Y-PCB : TUNER (BK)	1	BK
	J13200352041	ASS'Y-PCB : TUNER (IB)	1	ΙB
FRONT	J13200351041	ASS'Y-PCB : FRONT (BK)	1	BK
	J13200352041	ASS'Y-PCB : FRONT (IB)	1	IB
HEADPHONE	J13200351041	ASS'Y-PCB : HEADPHONE (BK)	1	BK
	J13200352041	ASS'Y-PCB : HEADPHONE (IB)	1	IB
DSP	J1320035105X	ASS'Y-PCB : DSP (BK)	1	BK
	J1320035205X	ASS'Y-PCB : DSP (IB)	1	IB
STAND-BY	J13200351041	ASS'Y-PCB : STAND-BY (BK)	1	BK
	J13200352041	ASS'Y-PCB : STAND-BY (IB)	1	IB

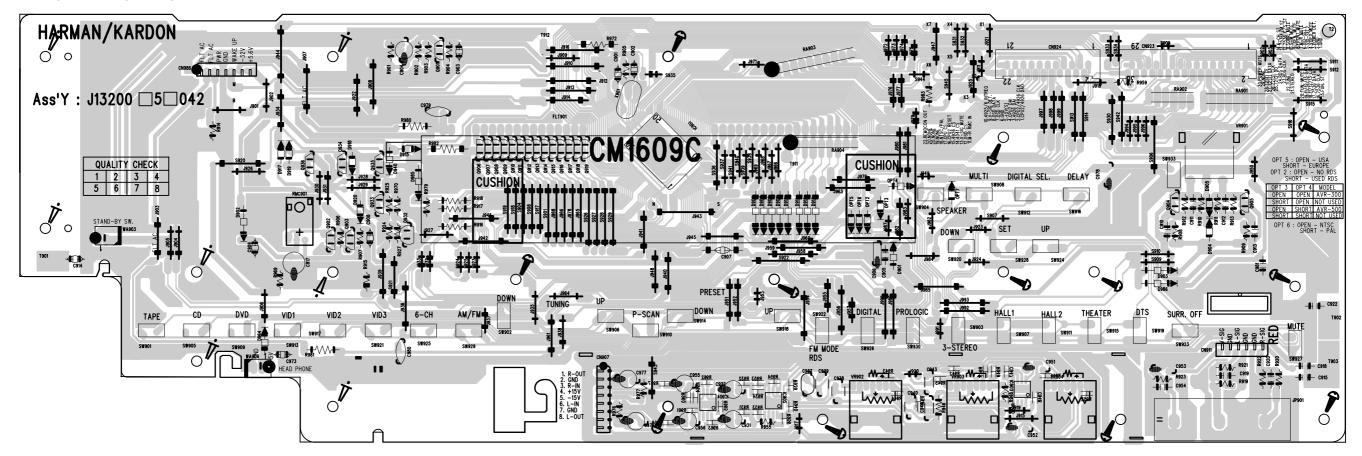




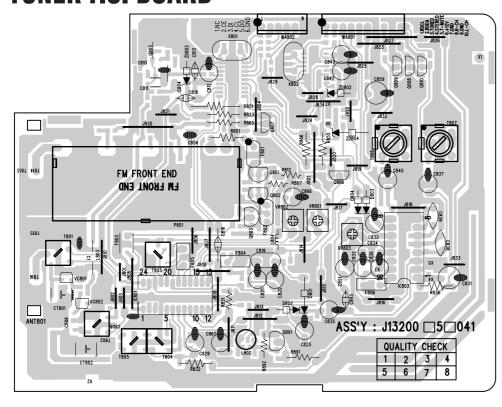




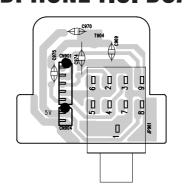
FRONT P.C. BOARD



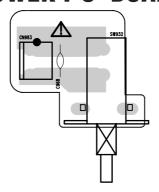
TUNER P.C. BOARD



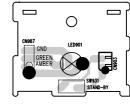
HEADPHONE P.C. BOARD



POWER PC BOARD



STAND-BY SWITCH P.C. BOARD



ELECTRICAL PARTS LIST(300Series) DSP P.C. BOARD

REF NO.	PART NO.	DE	SCRIPTION	REF NO.	PART NO.	DI	ESCRIPTION	N
J13200	35205X	DSP P.C. BOA	RD	IB	BEADs			
J13200	35105X	DSP P.C. BOA	RD	BK L 704	J2631200010X	HC3550 9.4ohm		AXIAL
				L 705	J2631200010X	HC3550 9.4ohm		AXIAL
	INTEGRATED	CIRCUITS		L 706	J2631200010X	HC3550 9.4ohm		AXIAL
IC 1	J2142930002X	74VHCT04SJX	HEX INVERT	L 707	J2631200010X	HC3550 9.4ohm		AXIAL
IC 2	J2120012001X	NJM4558M	OP-AMP	L 708	J2631200010X	HC3550 9.4ohm		AXIAL
IC 701	J2120012002X	NJM072M	OP-AMP	L 709	J2631200010X	HC3550 9.4ohm		AXIAL
	J2120012002X		OP-AMP	L 821	J2631200010X	HC3550 9.4ohm		AXIAL
IC 703	J2133926002X	CS5360-KS	A/D CONVERTER					
	J2142930001X		MULTIPLEXER			HB-1T2012-601		CHIP
	J2129012001X		QUARTZ OSC			HB-1T2012-601		CHIP
	J2136926001X		DIGITAL AUDIO Rx.			HB-1T2012-202		CHIP
		74VHCT244SJX	OCTAL NON-INVERT			HB-1T2012-601		CHIP
	J2135326003X		DECODER			HB-1T2012-601		CHIP
		KM23C4000DG-8	ROM-0001			HB-1T2012-601		CHIP
		AT27C040-100JC	ROM OTP			HB-1T2012-601		CHIP
		74VHCT574SJX	OCTAL D-FILP FLOP			HB-1T2012-601		CHIP
		74VHCT574SJX	OCTAL D-FILP FLOP			HB-1T2012-601		CHIP
		HD404354A52H	MCU-0002	_		HB-1T2012-601		CHIP
		HD407A435PH	SUB-u-COM OTP			HB-1T2012-601		CHIP
	J2133926003X		D/A CONVERTER			HB-1T2012-601		CHIP
_	J2133926003X		D/A CONVERTER			HB-1T2012-601		CHIP
	J2133926003X		D/A CONVERTER			HB-1T2012-601		CHIP
	J2120012002X	-	OP-AMP			HB-1T2012-601		CHIP CHIP
	J2120012002X J2120012002X		OP-AMP OP-AMP			HB-1T2012-601 HB-1T2012-601		CHIP
	J2120012002X	-	HEX INVERT			HB-1T2012-601		CHIP
	J2112504001X		REGULATOR 3.3V			HB-1T2012-601		CHIP
	J2120012001X		OP-AMP			HB-1T2012-601		CHIP
	J2120012001X		OP-AMP			HB-1T2012-601		CHIP
	J2120012001X		OP-AMP			HB-1T2012-601		CHIP
	J2120012001X		OP-AMP			HB-1T2012-601		CHIP
10 725	32120012001X	1431014330101	OI -AIVII			HB-1T2012-601		CHIP
	TRANSISTOR	•				HB-1T2012-601		CHIP
	J2021000201X		PNP			HB-1T2012-601		CHIP
	J2021220101X		NPN			HB-1T2012-601		CHIP
	J2021200101X		PNP			HB-1T2012-601		CHIP
	J2021060001X		NPN			HB-1T2012-601		CHIP
	J2021060001X		NPN		0200100011111			0
	J2021220101X		NPN		RESISTORS			
	J2021200101X		PNP		J3013561320X	1/5W	CARBON	560W-J
	J2021060001X		NPN			.,		
	J2021060001X		NPN	R 1	J3024101120X	1/10W	CHIP	100W-J
	J2021220101X		NPN		J3024222120X		CHIP	2K2W-J
	J2021200101X		PNP		J3024473120X		CHIP	47KW-J
	J2021060001X		NPN	R 4	J3024473120X	1/10W	CHIP	47KW-J
Q 715	J2021060001X	KTD1302-B	NPN		J3024222120X		CHIP	2K2W-J
Q 716	J2021220301X	KRC103M	NPN	R 8	J3024472120X	1/10W	CHIP	4K7W-J
				R 9	J3024472120X	1/10W	CHIP	4K7W-J
	DIODEs				J3024101120X		CHIP	100W-J
	J2221010100X	1SS133	SW.		J3024474120X		CHIP	470KW-J
	J2221010100X		SW.		J3024474120X		CHIP	470KW-J
, ,					J3024203120X		CHIP	20KW-J
	COILs				J3024203120X		CHIP	20KW-J
	J2616247020X	AXIAL LAL02	47uH-K		J3024103120X		CHIP	10KW-J
	J2616247020X		47uH-K		J3024103120X		CHIP	10KW-J
	J2616247020X		47uH-K		J3024103120X		CHIP	10KW-J
				-26				

REF NO.	PART NO.	DESCRIPTION		REF NO.	PART NO.	DE	SCRIPTION	l
P 705	J3024103120X	1/10W CHIP	10KW-J	D 707	J3024561120X	1/10\\/	CHIP	560W-J
	J3024103120X		10KW-J		J3024103120X		CHIP	10KW-J
	J3024473120X		47KW-J		J3024103120X		CHIP	10KW-J
	J3024473120X		47KW-J		J3024223120X		CHIP	22KW-J
	J3024103120X		10KW-J		J3024223120X		CHIP	22KW-J
	J3024103120X		10KW-J		J3024101120X		CHIP	100W-J
	J3024151120X		150W-J		J3024103120X		CHIP	10KW-J
	J3024151120X		150W-J		J3024103120X		CHIP	10KW-J
	J3024151120X		150W-J		J3024122120X		CHIP	1K2W-J
R 714	J3024151120X		150W-J		J3024122120X		CHIP	1K2W-J
	J3024100120X		10W-J		J3024203120X		CHIP	20KW-J
R 716	J3024100120X	1/10W CHIP	10W-J	R 798	J3024203120X	1/10W	CHIP	20KW-J
R 717	J3024101120X	1/10W CHIP	100W-J	R 801	J3024473120X	1/10W	CHIP	47KW-J
R 718	J3024101120X	1/10W CHIP	100W-J	R 802	J3024473120X	1/10W	CHIP	47KW-J
R 719	J3024750120X	1/10W CHIP	75W-J	R 804	J3024561120X	1/10W	CHIP	560W-J
R 720	J3024750120X	1/10W CHIP	75W-J	R 805	J3024561120X	1/10W	CHIP	560W-J
R 735	J3024471120X	1/10W CHIP	470W-J	R 806	J3024103120X	1/10W	CHIP	10KW-J
R 736	J3024103120X	1/10W CHIP	10KW-J	R 807	J3024103120X	1/10W	CHIP	10KW-J
R 737	J3024103120X	1/10W CHIP	10KW-J	R 808	J3024223120X	1/10W	CHIP	22KW-J
	J3024103120X		10KW-J		J3024223120X		CHIP	22KW-J
	J3024103120X		10KW-J		J3024101120X		CHIP	100W-J
	J3024103120X		10KW-J		J3024103120X		CHIP	10KW-J
	J3024103120X		10KW-J		J3024103120X		CHIP	10KW-J
	J3024103120X		10KW-J		J3024122120X		CHIP	1K2W-J
	J3024103120X		10KW-J		J3024122120X		CHIP	1K2W-J
	J3024103120X J3024103120X		10KW-J 10KW-J		J3024203120X J3024203120X		CHIP CHIP	20KW-J 20KW-J
	J3024103120X		10KW-J		J3024473120X		CHIP	47KW-J
	J3024103120X		4K7W-J		J3024473120X		CHIP	47KW-J
	J3024473120X		47KW-J		J3024123120X		CHIP	12KW-J
	J3024473120X		47KW-J		J3024123120X		CHIP	12KW-J
	J3024473120X		47KW-J		J3024223120X		CHIP	22KW-J
	J3024473120X		47KW-J		J3024224120X		CHIP	220KW-J
R 752	J3024100120X	1/10W CHIP	10W-J	R 832	J3024224120X	1/10W	CHIP	220KW-J
R 753	J3024222120X	1/10W CHIP	2K2W-J	R 833	J3024123120X	1/10W	CHIP	12KW-J
R 754	J3024103120X	1/10W CHIP	10KW-J	R 834	J3024123120X	1/10W	CHIP	12KW-J
R 757	J3024103120X	1/10W CHIP	10KW-J	R 835	J3024123120X	1/10W	CHIP	12KW-J
R 758	J3024472120X	1/10W CHIP	4K7W-J	R 836	J3024123120X	1/10W	CHIP	12KW-J
R 759	J3024103120X	1/10W CHIP	10KW-J	R 837	J3024473120X	1/10W	CHIP	47KW-J
R 761	J3024105120X	1/10W CHIP	1MW-J	R 838	J3024473120X	1/10W	CHIP	47KW-J
	J3024473120X		47KW-J	R 845	J3024123120X	1/10W	CHIP	12KW-J
	J3024222120X		2K2W-J		J3024123120X		CHIP	12KW-J
	J3024182120X		1K8W-J		J3024223120X		CHIP	22KW-J
	J3024181120X		180W-J		J3024223120X		CHIP	22KW-J
	J3024561120X		560W-J		J3024101120X		CHIP	100W-J
	J3024561120X		560W-J		J3024101120X J3024224120X		CHIP	100W-J
	J3024103120X J3024103120X		10KW-J 10KW-J		J3024224120X		CHIP CHIP	220KW-J 220KW-J
	J3024223120X		22KW-J		J3024123120X		CHIP	12KW-J
	J3024223120X		22KW-J		J3024242120X		CHIP	2K4W-J
	J3024101120X		100W-J		J3024223120X		CHIP	22KW-J
	J3024103120X		10KW-J		J3024243120X		CHIP	24KW-J
	J3024103120X		10KW-J		J3024224120X		CHIP	220KW-J
	J3024122120X		1K2W-J		J3024224120X		CHIP	220KW-J
	J3024122120X		1K2W-J		J3024101120X		CHIP	100W-J
	J3024203120X		20KW-J		J3024101120X		CHIP	100W-J
	J3024203120X		20KW-J		J3024203120X		CHIP	20KW-J
R 783	J3024473120X	1/10W CHIP	47KW-J	R 868	J3024203120X	1/10W	CHIP	20KW-J
R 784	J3024473120X	1/10W CHIP	47KW-J	R 930	J3024223120X	1/10W	CHIP	22KW-J
R 786	J3024561120X	1/10W CHIP	560W-J					
			-	-27				

REF NO.	PART NO.		DESCRIPTION		REF NO.	PART NO.		DESCRIPTION	N
	CAPACITORs				C 827	J3470147041X	ELEC	25V	47uF-M
C 6	J3442110041X	ELEC/CHIP	16V	10uF-K	C 828	J3470147041X	ELEC	25V	47uF-M
C 7	J3442110041X	ELEC/CHIP	16V	10uF-K	C 832	J3470110971X	ELEC	50V	1uF-M
					C 834	J3470110971X	ELEC	50V	1uF-M
C 3	J3471610971X	ELEC	50V	1uF-M	C 836	J3470110071X	ELEC	50V	10uF-M
C 4	J3471622041X	ELEC	25V	22uF-M	C 839	J3470110216X	ELEC	6.3V	1000uF-M
C 701	J3470110071X	ELEC	50V	10uF-M	C 843	J3471647971X	ELEC	50V	4.7uF-M
C 702	J3470110071X	ELEC	50V	10uF-M		J3471647971X		50V	4.7uF-M
C 711	J3470147041X	ELEC	25V	47uF-M	C 845	J3471647971X	ELEC	50V	4.7uF-M
C 712	J3470147041X	ELEC	25V	47uF-M	C 846	J3471647971X	ELEC	50V	4.7uF-M
C 715	J3470110971X	ELEC	50V	1uF-M	C 847	J3470147041X	ELEC	25V	47uF-M
	J3470110971X		50V	1uF-M		J3470147041X		25V	47uF-M
	J3470110216X			1000uF-M		J3471647971X		50V	4.7uF-M
	J3471610971X		50V	1uF-M		J3471647971X		50V	4.7uF-M
	J3470110216X			1000uF-M		J3470147041X		25V	47uF-M
	J3470110971X		50V	1uF-M		J3470147041X		25V	47uF-M
	J3470110216X			1000uF-M		J3471647971X		50V	4.7uF-M
	J3470110971X		50V	1uF-M		J3471647971X		50V	4.7uF-M
	J3471610971X		50V	1uF-M		J3471647971X		50V	4.7uF-M
	J3471610971X		50V	1uF-M		J3471610031X		16V	10uF-M
	J3470110971X		50V	1uF-M		J3471610031X		16V	10uF-M
	J3471610971X J3471610971X		50V 50V	1uF-M		J3470147041X J3470147041X		25V	47uF-M
	J3471610971X		50V 50V	1uF-M 1uF-M		J3470147041X		25V 50V	47uF-M 1uF-M
	J3471647031X		16V	47uF-M	C 672	J3470110971X	ELEC	50 V	TUF-IVI
	J3471622971X	-	50V	2.2uF-M	C 11	J3523104540X	CERA/DISC	F 25V	0.1uF-Z
	J3471610971X		50V	1uF-M		J3523104540X		F 25V	0.1uF-Z
	J3470110971X		50V	1uF-M	0 040	000201040407	OLIV VDIOO	1 201	0.101 2
	J3470110971X		50V	1uF-M	C 2	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
	J3471610971X		50V	1uF-M		J3525103170X		B 50V	0.01uF-K
	J3471610971X		50V	1uF-M		J3515101270X		CH 50V	100pF-J
C 770	J3471610971X	ELEC	50V	1uF-M	C 9	J3515101270X	CERA/CHIP	CH 50V	100pF-J
C 771	J3471633971X	ELEC	50V	3.3uF-M	C 10	J3515101270X	CERA/CHIP	CH 50V	100pF-J
C 772	J3471633971X	ELEC	50V	3.3uF-M	C 12	J3515101270X	CERA/CHIP	CH 50V	100pF-J
C 775	J3471610031X	ELEC	16V	10uF-M	C 13	J3515101270X	CERA/CHIP	CH 50V	100pF-J
C 776	J3471610031X	ELEC	16V	10uF-M	C 703	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 781	J3471610031X	ELEC	16V	10uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M	C 705	J3515470270X	CERA/CHIP	CH 50V	47pF-J
C 783	J3470147041X	ELEC	25V	47uF-M	C 706	J3515470270X	CERA/CHIP	CH 50V	47pF-J
C 784	J3470147041X	ELEC	25V	47uF-M		J3515100270X		CH 50V	10pF-D
	J3471610971X		50V	1uF-M		J3515100270X		CH 50V	10pF-D
	J3471610971X		50V	1uF-M		J3525222170X			2200pF-K
	J3471610971X		50V	1uF-M		J3525222170X			2200pF-K
	J3471633971X		50V	3.3uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471633971X		50V	3.3uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X J3471610031X		16V	10uF-M		J3525103170X J3525104540X		B 50V F 25V	0.01uF-K
	J3470147041X		16V 25V	10uF-M 47uF-M		J3525104540X J3525104540X		F 25V	0.1uF-Z 0.1uF-Z
	J3470147041X		25V	47uF-M		J3525104340X		B 50V	0.1uF-K
	J3471610971X		50V	1uF-M		J3525103170X		F 25V	0.01uF-Z
	J3471610971X		50V	1uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610971X		50V	1uF-M		J3525104340X		B 50V	0.1uF-K
	J3471633971X		50V	3.3uF-M		J3525103170X		B 50V	0.01uF-K
	J3471633971X		50V	3.3uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M		J3525104540X		F 25V	0.1uF-Z
	J3471610031X		16V	10uF-M		J3515150270X		CH 50V	15pF-J
C 826	J3471610031X	ELEC	16V	10uF-M	C 734	J3525103170X	CERA/CHIP	B 50V	0.01uF-K
					-28				

REF NO.	PART NO.		DESCRIPTION	N
C 739	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 740	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 743	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 745	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 747	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 748	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 751	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 752	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 754	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 757	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 759	J3515220270X	CERA/CHIP	CH 50V	22pF
C 760	J3515220270X	CERA/CHIP	CH 50V	22pF
C 762	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 764	J3525104540X		F 25V	0.1uF-Z
C 765	J3525104540X		F 25V	0.1uF-Z
C 767	J3525104540X		F 25V	0.1uF-Z
C 769	J3525104540X		F 25V	0.1uF-Z
C 773	J3525123170X		B 50V	0.012uF-K
C 774	J3525123170X		B 50V	0.012uF-K
C 777			B 50V	5600pF-K
C 778	J3525562170X		B 50V	5600pF-K
C 779	J3515221270X		CH 50V	220pF-J
C 780	J3515221270X		CH 50V	220pF-J
C 785	J3525104540X		F 25V	0.1uF-Z
	J3525104540X J3525104540X		F 25V F 25V	
C 786 C 787	J3525104540X J3525104540X		F 25V F 25V	0.1uF-Z
				0.1uF-Z
C 789	J3525104540X		F 25V	0.1uF-Z
C 791	J3525104540X		F 25V	0.1uF-Z
C 795	J3525123170X		B 50V	0.012uF-K
C 796	J3525123170X		B 50V	0.012uF-K
C 799	J3525562170X		B 50V	5600pF-K
C 800	J3525562170X		B 50V	5600pF-K
C 801	J3515221270X		CH 50V	220pF-J
C 802	J3515221270X		CH 50V	220pF-J
C 807	J3525104540X		F 25V	0.1uF-Z
C 808	J3525104540X		F 25V	0.1uF-Z
C 809	J3525104540X		F 25V	0.1uF-Z
C 811	J3525104540X		F 25V	0.1uF-Z
C 813			F 25V	0.1uF-Z
C 817			B 50V	0.012uF-K
C 818			F 25V	0.33uF-Z
C 821			B 50V	5600pF-K
C 822			B 50V	5600pF-K
C 823			CH 50V	220pF-J
	J3515221270X		CH 50V	220pF-J
C 829			F 25V	0.1uF-Z
C 830			F 25V	0.1uF-Z
C 831	J3525104540X		F 25V	0.1uF-Z
C 833			F 25V	0.1uF-Z
C 835			F 25V	0.1uF-Z
C 837	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 838	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 849	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 850	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 857	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 858	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 868	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 869	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z
C 871	J3525104540X	CERA/CHIP	F 25V	0.1uF-Z

	REF NO.	PART NO.		DESCRIPTIO	N			
	C 737	J3640683220X	0X MET POLY/RA 63V		0.068uF-J			
WAFERs								
	HU 1	J4423341160X	2.5mm	11P	JE605-11			
	HU 720	J4423341160X	2.5mm	11P	JE605-11			
	HU 721	J4423341060X	2.5mm	10P	JE605-10			
	WA 702	J4422112220X	1.25mm	22P	8370-227			
	WA 703	J4420040500X	2.5mm	5P	5267-05A			
		WIREs						
	V 4	140400044700	4D 4007#00/LIL \\\AD\ 470==/==					

X 1 J43199011729 1P,1007#22(HI-WAP),170m/m

	S					

JA 701	J2123806001X	TORX178A			OPTIC Rx
JA 702	J2123806001X	TORX178A			OPTIC Rx
JA 703	J44302201101	JW-1609RS	ORANGE	2P	RCA JACK
JA 704	J2123806002X	TOTX178			OPTIC Tx
JA 705	J44302101102	JW-1409S	ORANGE	1P	RCA JACK
RL 701	J5513300002X	P-12 MEISE	1	12V	RELAY
X 701	J3914010015X	12.288MHz	SCO-K1-12	2288	OSC
X 702	J3913010045X	5MHz	3	30pF	X-TAL

ELECTRIC PART LIST(300Series) Audio Input P.C. BOARD

REF NO.	PART NO.	DE	SCRIPTION		REF NO.	PART NO.		DESCRIPTION	
J132003	35203X	INPUT P.C.	BOARD	IB	Q 137	J2021200301X	KRA103M		PNP
J132003		INPUT P.C.		вк		J2021220101X			NPN
0.02000	01007					J2021220101X			NPN
	NTEGRATED	CIRCUITS				J2021220101X			NPN
	J2121712002X		FUNC	C. SW.		J2021220101X			NPN
	J2121712002X		_	C. SW.		J2021220101X			NPN
	J2120012001X			P-AMP					
IC 104 V	J2120012001X	NJM4558M	OI	P-AMP		DIODEs			
IC 105	J2121712001X	NJU7311AM	FUN	C. SW.	D 101	J2221010100X	1SS133		SW.
IC 106 、	J2115211003X	LC7536	ELE	C. VR.	D 102	J2221010100X	1SS133		SW.
IC 107 、	J2120012001X	NJM4558M	OI	P-AMP	D 103	J2221010100X	1SS133		SW.
IC 108 、	J2120012001X	NJM4558M	OI	P-AMP					
IC 109 、	J2115211003X	LC7536		C. VR.					
	J2120012001X			P-AMP		RESISTORS			
_	J2120012001X			P-AMP	_	J3024331120X		CHIP	330W-J
_	J2120012001X			P-AMP		J3024331120X		CHIP	330W-J
	J2121712001X			C. SW.		J3024474120X		CHIP	470KW-J
	J2115211003X J2120012001X			C. VR.	_	J3024474120X		CHIP	470KW-J
	J2120012001X J2120012001X			P-AMP P-AMP		J3024331120X J3024331120X		CHIP CHIP	330W-J 330W-J
.0	J2120012001X J2115211003X		_	C. VR.		J3024474120X	., . •	CHIP	470KW-J
	J2113211003X			P-AMP	_	J3024474120X		CHIP	470KW-J
	J2120012001X		_	P-AMP		J3024331120X		CHIP	330W-J
	J2120012001X			P-AMP		J3024331120X		CHIP	330W-J
	J2120012001X		OI	P-AMP	_	J3024474120X		CHIP	470KW-J
IC 122	J2120012001X	NJM4558M	OI	P-AMP	R 112	J3024474120X	1/10W	CHIP	470KW-J
IC 123	J2120012001X	NJM4558M	OI	P-AMP	R 113	J3024331120X	1/10W	CHIP	330W-J
IC 124	J2120012001X	NJM4558M	OI	P-AMP	R 114	J3024331120X	1/10W	CHIP	330W-J
					R 115	J3024474120X	1/10W	CHIP	470KW-J
					R 116	J3024474120X	1/10W	CHIP	470KW-J
Т	TRANSISTOR:	S				J3024331120X		CHIP	330W-J
	J2021000201X			PNP	_	J3024331120X		CHIP	330W-J
	J2021000201X			PNP	-	J3024474120X		CHIP	470KW-J
	J2021000201X			PNP	_	J3024474120X		CHIP	470KW-J
	J2021000201X			PNP		J3024102120X		CHIP	1KW-J
	J2021000201X			PNP	==	J3024433120X	., . •	CHIP	43KW-J
	J20210600011 J20210600011			NPN NPN		J3024822120X		CHIP	8K2W-J 8K2W-J
	J20210600011 J2021060001X			NPN		J3024822120X J3024433120X		CHIP CHIP	43KW-J
	J2021060001X			NPN	_	J3024331120X		CHIP	330W-J
	J2021060001X			NPN		J3024331120X		CHIP	330W-J
	J2021060001X			NPN		J3024223120X		CHIP	22KW-J
Q 121 、	J2021060001X	KTD1302-B		NPN		J3024183120X		CHIP	18KW-J
Q 122 、	J2021060001X	KTD1302-B		NPN	R 130	J3024331120X	1/10W	CHIP	330W-J
Q 123 、	J2021060001X	KTD1302-B		NPN	R 131	J3024331120X	1/10W	CHIP	330W-J
Q 124 、	J2021060001X	KTD1302-B		NPN	R 132	J3024223120X	1/10W	CHIP	22KW-J
Q 125 、	J2021060001X	KTD1302-B		NPN	R 133	J3024101120X	1/10W	CHIP	100W-J
	J2021060001X			NPN		J3024101120X		CHIP	100W-J
	J2021060001X			NPN		J3024474120X		CHIP	470KW-J
	J2021060001X			NPN		J3024474120X		CHIP	470KW-J
	J2021060001X			NPN		J3024101120X		CHIP	100W-J
	J2021060001X			NPN		J3024101120X		CHIP	100W-J
	J2021220201X			NPN NDN		J3024224120X J3024224120X		CHIP	220KW-J
	J2021220201X			NPN PNP		J3024224120X J3024101120X		CHIP	220KW-J
	J2021200301X J2021200301X			PNP		J3024101120X		CHIP CHIP	100W-J 100W-J
	J2021200301X J2021200301X			PNP		J3024474120X		CHIP	470KW-J
	J2021200301X			PNP	_	J3024474120X		CHIP	470KW-J
					30		.,	J. III	

REF NO.	PART NO.		DESCRIPTION		REF NO.	PART NO.		DESCRIPTION	
R 145	J3024101120X	1/10W	CHIP	100W-J	R 205	J3024222120X	1/10W	CHIP	2K2W-J
_	J3024101120X		CHIP	100W-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024224120X		CHIP	220KW-J
	J3024101120X		CHIP	100W-J		J3024224120X		CHIP	220KW-J
R 150	J3024101120X	1/10W	CHIP	100W-J	R 210	J3024472120X	1/10W	CHIP	4K7W-J
	J3024224120X		CHIP	220KW-J		J3024472120X		CHIP	4K7W-J
	J3024224120X		CHIP	220KW-J	R 212	J3024203120X	1/10W	CHIP	20KW-J
R 153	J3024101120X	1/10W	CHIP	100W-J	R 213	J3024101120X	1/10W	CHIP	100W-J
R 154	J3024101120X	1/10W	CHIP	100W-J	R 214	J3024101120X	1/10W	CHIP	100W-J
R 155	J3024224120X	1/10W	CHIP	220KW-J	R 215	J3024224120X	1/10W	CHIP	220KW-J
	J3024224120X		CHIP	220KW-J	R 216	J3024224120X	1/10W	CHIP	220KW-J
R 157	J3024101120X	1/10W	CHIP	100W-J	R 217	J3024101120X	1/10W	CHIP	100W-J
R 158	J3024101120X	1/10W	CHIP	100W-J	R 218	J3024101120X	1/10W	CHIP	100W-J
R 159	J3024474120X	1/10W	CHIP	470KW-J	R 219	J3024224120X	1/10W	CHIP	220KW-J
R 160	J3024474120X	1/10W	CHIP	470KW-J	R 220	J3024224120X	1/10W	CHIP	220KW-J
R 161	J3024152120X	1/10W	CHIP	1K5W-J	R 221	J3024224120X	1/10W	CHIP	220KW-J
R 162	J3024152120X	1/10W	CHIP	1K5W-J	R 222	J3024224120X	1/10W	CHIP	220KW-J
R 163	J3024224120X	1/10W	CHIP	220KW-J	R 223	J3024224120X	1/10W	CHIP	220KW-J
R 164	J3024224120X	1/10W	CHIP	220KW-J	R 224	J3024224120X	1/10W	CHIP	220KW-J
R 165	J3024101120X	1/10W	CHIP	100W-J	R 225	J3024224120X	1/10W	CHIP	220KW-J
R 166	J3024101120X	1/10W	CHIP	100W-J	R 226	J3024224120X	1/10W	CHIP	220KW-J
R 167	J3024474120X	1/10W	CHIP	470KW-J	R 227	J3024224120X	1/10W	CHIP	220KW-J
R 168	J3024474120X	1/10W	CHIP	470KW-J	R 228	J3024224120X	1/10W	CHIP	220KW-J
R 169	J3024152120X	1/10W	CHIP	1K5W-J	R 234	J3024822120X	1/10W	CHIP	8K2W-J
R 170	J3024152120X	1/10W	CHIP	1K5W-J	R 235	J3024822120X	1/10W	CHIP	8K2W-J
R 171	J3024224120X	1/10W	CHIP	220KW-J	R 236	J3024123120X	1/10W	CHIP	12KW-J
R 172	J3024224120X	1/10W	CHIP	220KW-J	R 237	J3024101120X	1/10W	CHIP	100W-J
R 173	J3024101120X	1/10W	CHIP	100W-J	R 238	J3024101120X	1/10W	CHIP	100W-J
	J3024101120X		CHIP	100W-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024101120X		CHIP	100W-J
	J3024101120X		CHIP	100W-J		J3024101120X		CHIP	100W-J
	J3024101120X		CHIP	100W-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024224120X		CHIP	220KW-J
	J3024224120X		CHIP	220KW-J		J3024479120X		CHIP	4R7W-J
	J3024101120X		CHIP	100W-J		J3024479120X		CHIP	4R7W-J
	J3024101120X	., . •	CHIP	100W-J		J3024479120X		CHIP	4R7W-J
	J3024101120X	.,	CHIP	100W-J	-	J3024479120X		CHIP	4R7W-J
	J3024101120X J3024101120X		CHIP	100W-J		J3024479120X J3024479120X		CHIP	4R7W-J
	J3024101120X		CHIP	100W-J		J3024479120X J3024479120X	.,	CHIP	4R7W-J
	J3024101120X		CHIP CHIP	100W-J 100KW-J		J3024479120X J3024479120X		CHIP CHIP	4R7W-J 4R7W-J
	J3024104120X		CHIP	100KW-J		J3024479120X		CHIP	4R7W-J 4R7W-J
	J3024222120X		CHIP	2K2W-J		J3024479120X		CHIP	4R7W-J
	J3024222120X		CHIP	2K2W-J		J3024479120X		CHIP	4R7W-J
	J3024222120X		CHIP	2K2W-J		J3024479120X		CHIP	4R7W-J
	J3024222120X		CHIP	2K2W-J		J3024123120X		CHIP	12KW-J
	J3024102120X		CHIP	1KW-J		J3024102120X		CHIP	1KW-J
	J3024102120X		CHIP	1KW-J		J3024102120X		CHIP	1KW-J
_	J3024102120X		CHIP	1KW-J		J3024102120X	-	CHIP	1KW-J
	J3024102120X		CHIP	1KW-J		J3024473120X		CHIP	47KW-J
	J3024102120X		CHIP	1KW-J		J3024473120X		CHIP	47KW-J
	J3024102120X		CHIP	1KW-J		J3024473120X		CHIP	47KW-J
	J3024102120X		CHIP	1KW-J		J3024102120X		CHIP	1KW-J
	J3024229120X		CHIP	2R2W-J	R 268	J3024102120X	1/10W	CHIP	1KW-J
R 201	J3024229120X	1/10W	CHIP	2R2W-J	R 269	J3024102120X	1/10W	CHIP	1KW-J
	J3024222120X		CHIP	2K2W-J		J3024473120X		CHIP	47KW-J
R 203	J3024222120X	1/10W	CHIP	2K2W-J	R 271	J3024473120X	1/10W	CHIP	47KW-J
R 204	J3024222120X	1/10W	CHIP	2K2W-J	R 272	J3024473120X	1/10W	CHIP	47KW-J
					-31				

REF NO.	PART NO.	DES	CRIPTION		REF	NO.	PART NO.		DESCRIPTION	
D 272	J3024102120X	1/10\\	CHIP	1KW-J	D	333	J3024183120X	1/10\\	CHIP	18KW-J
	J3024102120X		CHIP	1KW-J			J3024331120X		CHIP	330W-J
	J3024102120X		CHIP	1KW-J			J3024331120X		CHIP	330W-J
_	J3024473120X		CHIP	47KW-J			J3024223120X		CHIP	22KW-J
	J3024473120X		CHIP	47KW-J			J3024183120X		CHIP	18KW-J
	J3024473120X		CHIP	47KW-J			J3024223120X		CHIP	22KW-J
_	J3024102120X		CHIP	1KW-J			J3024183120X		CHIP	18KW-J
	J3024102120X		CHIP	1KW-J			J3024101120X		CHIP	100W-J
	J3024102120X		CHIP	1KW-J		-	J3024101120X		CHIP	100W-J
	J3024473120X	.,	CHIP	47KW-J			J3024224120X	.,	CHIP	220KW-J
_	J3024473120X		CHIP	47KW-J			J3024224120X		CHIP	220KW-J
	J3024473120X		CHIP	47KW-J			J3024224120X		CHIP	220KW-J
	J3024102120X		CHIP	1KW-J			J3024224120X		CHIP	220KW-J
	J3024102120X		CHIP	1KW-J			J3024102120X		CHIP	1KW-J
	J3024102120X		CHIP	1KW-J			J3024102120X		CHIP	1KW-J
	J3024473120X		CHIP	47KW-J			J3024333120X		CHIP	33KW-J
	J3024473120X		CHIP	47KW-J		-	J3024752120X		CHIP	7K5W-J
	J3024473120X		CHIP	47KW-J	_		J3024752120X		CHIP	7K5W-J
	J3024102120X		CHIP	1KW-J			J3024333120X		CHIP	33KW-J
_	J3024102120X		CHIP	1KW-J			J3024331120X		CHIP	330W-J
_	J3024102120X		CHIP	1KW-J			J3024331120X		CHIP	330W-J
	J3024473120X		CHIP	47KW-J			J3024223120X		CHIP	22KW-J
R 295	J3024473120X	1/10W	CHIP	47KW-J			J3024183120X		CHIP	18KW-J
	J3024473120X		CHIP	47KW-J			J3024479120X		CHIP	4R7W-J
	J3024102120X		CHIP	1KW-J			J3024479120X		CHIP	4R7W-J
	J3024102120X		CHIP	1KW-J			J3024479120X		CHIP	4R7W-J
R 299	J3024102120X	1/10W	CHIP	1KW-J	R	359	J3024479120X	1/10W	CHIP	4R7W-J
R 300	J3024473120X	1/10W	CHIP	47KW-J	R	360	J3024101120X	1/10W	CHIP	100W-J
R 301	J3024473120X	1/10W	CHIP	47KW-J	R	361	J3024101120X	1/10W	CHIP	100W-J
R 302	J3024473120X	1/10W	CHIP	47KW-J	R	362	J3024224120X	1/10W	CHIP	220KW-J
R 303	J3024102120X	1/10W	CHIP	1KW-J	R	363	J3024224120X	1/10W	CHIP	220KW-J
R 304	J3024102120X	1/10W	CHIP	1KW-J	R	364	J3024000120X	1/10W	CHIP	0W-J
R 305	J3024102120X	1/10W	CHIP	1KW-J	R	365	J3024101120X	1/10W	CHIP	100W-J
R 306	J3024473120X	1/10W	CHIP	47KW-J	R	366	J3024101120X	1/10W	CHIP	100W-J
R 307	J3024473120X	1/10W	CHIP	47KW-J	R	367	J3024224120X	1/10W	CHIP	220KW-J
	J3024473120X	., . •	CHIP	47KW-J	R	368	J3024224120X	1/10W	CHIP	220KW-J
	J3024203120X		CHIP	20KW-J			J3024000120X		CHIP	0W-J
	J3024203120X		CHIP	20KW-J	R	372	J3024000120X	1/10W	CHIP	0W-J
R 311	J3024203120X	1/10W	CHIP	20KW-J	R	373	J3024000120X	1/10W	CHIP	0W-J
R 312	J3024124120X	1/10W	CHIP	120KW-J			J3024224120X		CHIP	220KW-J
	J3024124120X		CHIP	120KW-J			J3024224120X		CHIP	220KW-J
	J3024479120X		CHIP	4R7W-J			J3024224120X		CHIP	220KW-J
	J3024479120X	.,	CHIP	4R7W-J			J3024224120X		CHIP	220KW-J
	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
_	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
_	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
_	J3024479120X		CHIP	4R7W-J			J3024224120X		CHIP	220KW-J
	J3024479120X		CHIP	4R7W-J			J3024224120X		CHIP	220KW-J
_	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
	J3024479120X		CHIP	4R7W-J			J3024101120X		CHIP	100W-J
	J3024479120X		CHIP	4R7W-J			J3024224120X J3024224120X		CHIP	220KW-J
	J3024479120X		CHIP	4R7W-J					CHIP	220KW-J
	J3024479120X J3024479120X		CHIP	4R7W-J			J3024222120X J3024222120X		CHIP	2K2W-J
			CHIP	4R7W-J					CHIP	2K2W-J
	J3024479120X J3024479120X		CHIP CHIP	4R7W-J			J3024222120X J3024222120X		CHIP CHIP	2K2W-J 2K2W-J
	J3024479120X J3024479120X		CHIP	4R7W-J			J3024222120X J3024479120X			2K2W-J 4R7W-J
r 332	0002741312UA	1/ 1044	CHIP	4R7W-J	K	1 00	0002441312UA	1/1000	CHIP	41\/ VV-J

REF NO.	PART NO.		DESCRIPTION		RI	EF NO.	PART NO.		DESCRIPTION	J
	J3024479120X	1/10W	CHIP	4R7W-J			J34701470411		25V	47uF-M
_	J3024479120X		CHIP	4R7W-J			J34701470411		25V	47uF-M
	J3024479120X	.,	CHIP	4R7W-J			J34701470411		25V	47uF-M
	J3024479120X		CHIP	4R7W-J			J3470147041X		25V	47uF-M
_	J3024183120X		CHIP	18KW-J		-	J3470147041X		25V 25V	47uF-M
	J3024183120X					_	J3470147041X		25V 25V	47uF-M
K 406	J3024163120A	1/1000	CHIP	18KW-J					_	
	CARACITOR					-	J34701470411		25V	47uF-M
	CAPACITORS		F0\/	4.7E.M			J34701470411		25V	47uF-M
_	J3470147971X	_	50V	4.7uF-M		-	J3470147041X		25V	47uF-M
	J3470147971X	_	50V	4.7uF-M		-	J34701470411		25V	47uF-M
	J3470647931X		16V	4.7uF-M			J3470147041X		25V	47uF-M
	J3470647931X		16V	4.7uF-M		-	J3470147041X		25V	47uF-M
	J3470147971X		50V	4.7uF-M		-	J3470147041X		25V	47uF-M
	J3470147971X		50V	4.7uF-M			J34701470411		25V	47uF-M
C 123	J3470647931X	ELEC	16V	4.7uF-M		C 264	J34701101311	ELEC	16V	100uF-M
C 124	J3470647931X	ELEC	16V	4.7uF-M		C 265	J34701101311	ELEC	16V	100uF-M
	J3470647931X		16V	4.7uF-M		C 266	J3470610031X	ELEC	16V	10uF-M
C 126	J3470647931X	ELEC	16V	4.7uF-M		C 267	J3470610031X	ELEC	16V	10uF-M
C 127	J3470647931X	ELEC	16V	4.7uF-M		C 268	J3470610031X	ELEC	16V	10uF-M
C 128	J3470647931X	ELEC	16V	4.7uF-M		C 269	J3470610031X	ELEC	16V	10uF-M
C 129	J3470647931X	ELEC	16V	4.7uF-M		C 270	J3470610031X	ELEC	16V	10uF-M
C 130	J3470647931X	ELEC	16V	4.7uF-M		C 271	J3470610031X	ELEC	16V	10uF-M
C 131	J3470647931X	ELEC	16V	4.7uF-M		C 272	J3470610031X	ELEC	16V	10uF-M
C 132	J3470647931X	ELEC	16V	4.7uF-M		C 273	J3470610031X	ELEC	16V	10uF-M
C 145	J3470647931X	ELEC	16V	4.7uF-M		C 276	J3470647931X	ELEC	16V	4.7uF-M
C 146	J3470647931X	ELEC	16V	4.7uF-M		C 277	J3470647931X	ELEC	16V	4.7uF-M
C 147	J3470647931X	ELEC	16V	4.7uF-M		C 278	J3470647931X	ELEC	16V	4.7uF-M
C 148	J3470647931X	ELEC	16V	4.7uF-M		C 279	J3470647931X	ELEC	16V	4.7uF-M
C 149	J3470647931X	ELEC	16V	4.7uF-M		C 280	J3470147971X	ELEC	50V	4.7uF-M
C 150	J34706479311	ELEC	16V	4.7uF-M		C 281	J3470147971X	ELEC	50V	4.7uF-M
C 151	J3470647931X	ELEC	16V	4.7uF-M		C 282	J3470647931X	ELEC	16V	4.7uF-M
C 152	J3470647931X	ELEC	16V	4.7uF-M		C 283	J3470647931X	ELEC	16V	4.7uF-M
C 153	J3470647931X	ELEC	16V	4.7uF-M		C 284	J34706479311	ELEC	16V	4.7uF-M
	J3470647931X		16V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J3470147971X		50V	4.7uF-M		C 286	J3470647931X	ELEC	16V	4.7uF-M
	J3470147971X		50V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J34701470411	_	25V	47uF-M			J3470147971X	_	50V	4.7uF-M
	J34701470411		25V	47uF-M			J3470147971X		50V	4.7uF-M
	J34701470411	-	25V	47uF-M			J3470647931X		16V	4.7uF-M
	J3470147041X		25V	47uF-M			J3470647931X		16V	4.7uF-M
	J3470147041X		25V	47uF-M		-	J3470647931X		16V	4.7uF-M
	J3470147971X		50V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J3470647931X		16V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J3470147971X		50V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J3470147971X		50V	4.7uF-M			J3470647931X		16V	4.7uF-M
	J34701470411		25V	47uF-M			J3470647931X		16V	4.7uF-M
	J34701470411		25V	47uF-M			J3470647931X		16V	4.7uF-M
	J34701470411		25V	47uF-M			J3470647931X		16V	4.7uF-M
	J34701470411		25V	47uF-M			J3470647931X		16V	4.7uF-M
	J34701470411		25V 25V	47uF-M			J3470647931X		16V	4.7uF-M
	J3470147041X	-	25V 25V	47uF-M			J3471647931X			
	J3470147041X			47uF-M 47uF-M					16V 16V	4.7uF-M 4.7uF-M
			25V	47uF-M 47uF-M			J34706479311			
	J34701470411		25V				J34701470411		25V	47uF-M
	J34701470411		25V	47uF-M			J34701470411		25V	47uF-M
_	J34701470411		25V	47uF-M			J34701470411		25V	47uF-M
	J3470147041X		25V	47uF-M			J34701470411		25V	47uF-M
	J34701470411		25V	47uF-M			J34701470411		25V	47uF-M
	J34701470411		25V	47uF-M		C 314	J34701470411	ELEC	25V	47uF-M
	J34701470411		25V	47uF-M		0.404	105454040707	OED 4 /Q! "	D OH 501	100-5
C 234	J34701470411	ELEC	25V	47uF-M	22	C 101	J3515121270X	CERA/CHI	P CH 50V	120pF-J
					-33					

REF NO.	PART NO.	DE	SCRIP	TION			REF NO.	PART NO.	DE	SCRIF	TION		
C 103	J3515121270X			50V	120pF-J			J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
	J3515121270X		СН	50V	120pF-J		C 253	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
	J3515121270X		CH	50V	120pF-J		C 254	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
C 106	J3515121270X	CERA/CHIP	CH	50V	120pF-J		C 255	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
C 107	J3515121270X	CERA/CHIP	CH	50V	120pF-J		C 256	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
C 108	J3515121270X	CERA/CHIP	CH	50V	120pF-J		C 257	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
C 109	J3515121270X	CERA/CHIP	CH	50V	120pF-J		C 258	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z	
C 110	J3515121270X	CERA/CHIP	CH	50V	120pF-J			J3525104540X		F	25V	0.1uF-Z	
C 167	J3515470270X	CERA/CHIP	СН	50V	47pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515470270X			50V	47pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J			J3525104540X		F	25V	0.1uF-Z	
_	J3515471170X		_	50V	470pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J			J3515471170X		CH	50V	470pF-J	
	J3515471170X			50V	470pF-J			J3515471170X		CH		470pF-J	
	J3515471170X			50V	470pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J			J3525104540X		F	25V	0.1uF-Z 0.1uF-Z	
	J3515471170X J3515471170X			50V 50V	470pF-J 470pF-J			J3525104540X		F F	25V 25V	0.1uF-Z 0.1uF-Z	
	J3515471170X			50V	470pF-J 470pF-J			J3525104540X J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J			J3525104540X		F	25V	0.1uF-Z	
	J3515471170X			50V	470pF-J		C 310	333231043407	CERA/CHIP	'	25 V	0. Tul -2	
	J3515471170X			50V	470pF-J			WAFERs					
	J3515471170X			50V	470pF-J			J4423340760X	JE605-07	7P		2.5mm	
	J3515471170X		_	50V	470pF-J			J4423340960X		9P		2.5mm	
	J3515471170X			50V	470pF-J			J4423341160X		11P		2.5mm	
	J3515471170X			50V	470pF-J			J4423340760X		7P		2.5mm	
	J3515471170X			50V	470pF-J			J4423340760X		7P		2.5mm	
	J3515471170X			50V	470pF-J			J4423341160X		11P		2.5mm	
	J3515471170X		СН	50V	470pF-J			J4423341160X		11P		2.5mm	
	J3515471170X		CH	50V	470pF-J			J4420031100X		11P		2.0mm	
C 194	J3515471170X	CERA/CHIP	СН	50V	470pF-J		WA 102	J4420040800X	5267-08A	8P		2.5mm	
C 195	J3515471170X	CERA/CHIP	CH	50V	470pF-J		WA 103	J4420040500X	5267-05A	5P		2.5mm	
C 196	J3515471170X	CERA/CHIP	CH	50V	470pF-J								
C 199	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z			MISCELLANIE	S				
	J3525104540X		F	25V	0.1uF-Z		JP 101	J44302401201	JW4104RS	4P	F	RCA JACK	
C 203	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z		JP 102	J44302401201	JW4104RS	4P	F	RCA JACK	
C 204	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z		JP 103	J44302602101	JW4105RSS	6P	F	RCA JACK	
C 207	J3525104540X	CERA/CHIP	F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
_	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
_	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V 25V	0.1uF-Z								
	J3525104540X J3525104540X		F		0.1uF-Z								
	J3525104540X J3525104540X		F F	25V 25V	0.1uF-Z 0.1uF-Z								
	J3525104540X		F	25V 25V	0.1uF-Z 0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3525104540X		F	25V	0.1uF-Z								
	J3515270270X			50V	27pF-J	IB							
	J3515270270X			50V	27pF-J								
3 200	130.02.02.07	,	J			-34							
						-							

ELECTRIC PART LIST(300Series) MAIN P.C. BOARD

R	REF NO.	PART NO.	DI	ESCRIPTION	F	REF NO.	PART NO.		DESCRIP	TION
14	<mark>1320035</mark>	5204 V	MAIN P.C. BO	DARD IB		O 511	J2021000101X	KTA1024 V		PNP
J	1320035	01U1X	MAIN P.C. BO	DARD BK			J2021020501X			NPN
							J2002520101X			NPN
		INTEGRATED		DEOL!! ATOD 45\/			J2021020701X		=	NPN
!		J2112505021X		REGULATOR 15V			J2021020501X			NPN
!		J2112505018X		REGULATOR -15V			J2021000101X			PNP
!		J2112505020X J2112505019X		REGULATOR 12V			J2002500101X			PNP
! !		J2112505019X		REGULATOR 5V REGULATOR 5V			J2002520101X J2002520103X		150\\\\	NPN NPN
	10 465	J2112505019A	KIA7603FI	REGULATOR 5V	! !		J2002520103X J2002500103X	,	,	PNP
		TRANSISTORS					J2021020701X	,	,	NPN
		J2021020701X		NPN			J2021020701X			NPN
		J2021020701X		NPN			J2021020701X			NPN
		J2021020701X		NPN			J2021020201X			NPN
		J2021020701X		NPN			J2021020201X			NPN
		J2021020701X		NPN			J2021020201X			NPN
	Q 406	J2021020701X	KTC3200-BL	NPN		Q 557	J2021000801X	KTA1266-GF	₹	PNP
	Q 407	J2021020201X	KTC3198-BL	NPN		Q 558	J2021000801X	KTA1266-GF	3	PNP
	Q 408	J2021020201X	KTC3198-BL	NPN		Q 559	J2021220201X	KRC102M		NPN
	Q 411	J2021005101X	KTA1268-BL	PNP		Q 560	J2021220201X	KRC102M		NPN
	Q 412	J2021005101X	KTA1268-BL	PNP		Q 561	J2021005101X	KTA1268-BL	<u>-</u>	PNP
	Q 413	J2021005101X	KTA1268-BL	PNP						
	Q 414	J2021005101X	KTA1268-BL	PNP			FETs			
	Q 415	J2021020701X	KTC3200-BL	NPN		Q 409	J2021120303X	2SK373-GR		N-CH
	Q 416	J2021020701X	KTC3200-BL	NPN		Q 410	J2021120303X	2SK373-GR		N-CH
		J2021000101X		PNP		Q 505	J2021120303X	2SK373-GR		N-CH
		J2021000101X		PNP						
		J2021020501X		NPN			DIODEs			
		J2021020501X		NPN			J2221010100X			SW.
	Q 421			PNP			J2221010100X			SW.
		J2021000101X		PNP			J2221010100X			SW.
	Q 423			NPN NPN			J2221010100X			SW.
		J2021020501X J2002520101X		NPN			J2202306007X J2203336007X			BRIDGE BRIDGE
		J2002520101X		NPN			J2221216000X		1A 100V	RECTIFIED
		J2002320101X J2021020701X		NPN			J2221216000X		1A 00V	RECTIFIED
		J2021020701X		NPN	i		J2221216000X		1A 00V	RECTIFIED
		J2021020501X		NPN	i		J2221216000X		1A 00V	RECTIFIED
		J2021020501X		NPN	•		J2221010100X			SW.
		J2021000101X		PNP			J2221010100X			SW.
		J2021000101X		PNP			J2221010100X			SW.
		J2002500101X		PNP			J2221010100X			SW.
		J2002500101X		PNP		D 553	J2221010100X	1SS133		SW.
	Q 435	J2002520101X	KTC4370-Y	NPN		D 554	J2221010100X	1SS133		SW.
	Q 436	J2002520101X	KTC4370-Y	NPN		D 555	J2221010100X	1SS133		SW.
!			2SC5358-R(150	,		D 556	J2221010100X	1SS133		SW.
!			2SC5358-R(150				J2221451534X		5.1V	ZENER
!			2SA1986-R(150		!		J2221216000X			RECTIFIED
!			2SA1986-R(150		!		J2221216000X			RECTIFIED
		J2021020701X		NPN			J2221010100X			SW.
		J2021020701X		NPN			J2221010100X			SW.
		J2021020701X		NPN			J2221010100X			SW.
		J2021020201X		NPN		D 577	J2221010100X	1SS133		SW.
		J2021005101X		PNP			DEGISTAT			
		J2021005101X		PNP			RESISTORS	4/0\\		200144
		J2021020701X		NPN			J3003331220X			330W-J
		J2021000101X		PNP			J3003331220X			330W-J
	Q D I U	J2021020501X	K103200-1	NPN -35	=	K 123	J3003224220X	I/OVV		220KW-J

REF NO.	PART NO.	DESCRIPTION	RE	EF NO.	PART NO.		DESCRIPTIO	N
	J3003224220X	220KW-J			J3003563220X			56KW-J
	J3003331220X	330W-J			J3003123220X			12KW-J
	J3003331220X	330W-J			J3003101220X			100W-J
	J3003224220X	220KW-J			J3003103220X			10KW-J
R 128	J3003224220X	220KW-J			J3003103220X			10KW-J
R 129	J3003331220X	330W-J			J3003103220X			10KW-J
R 130	J3003331220X	330W-J			J3003222220X			2K2W-J
R 131	J3003224220X	220KW-J		-	J3003102220X			1KW-J
	J3003224220X	220KW-J			J3003153220X			15KW-J
R 401	J3003331220X	330W-J			J3003103220X			10KW-J
	J3003331220X	330W-J			J3003103220X			10KW-J
R 403	J3003333220X	33KW-J			J3003103220X			10KW-J
R 404	J3003333220X	33KW-J			J3003103220X			10KW-J
R 405	J3003152220X	1K5W-J			J3003222220X			2K2W-J
	J3003152220X	1K5W-J			J3003103220X			10KW-J
	J3003152220X	1K5W-J			J3003393220X			39KW-J
R 408	J3003152220X	1K5W-J			J3003393220X			39KW-J
R 409	J3003221220X	220W-J			J3003393220X			39KW-J
	J3003221220X	220W-J			J3003103220X			10KW-J
	J3003221220X	220W-J		R 592	J3003393220X	1/800		39KW-J
	J3003221220X	220W-J		D 447	10000000000000	4 / 4\ 4\		0014141
R 413	J3003271220X	270W-J			J3003333420X			33KW-J
	J3003271220X	270W-J			J3003333420X			33KW-J
R 415	J3003273220X	27KW-J			J3003202420X			2KW-J
R 416	J3003273220X	27KW-J			J3003202420X			2KW-J
R 449	J3003102220X	1KW-J			J3003153420X			15KW-J
R 450	J3003102220X	1KW-J			J3003153420X			15KW-J
R 451	J3003561220X	560W-J			J3003153420X			15KW-J
R 452	J3003561220X	560W-J			J3003153420X			15KW-J
R 453	J3003472220X	4K7W-J			J3003333420X			33KW-J
	J3003472220X J3003562220X	4K7W-J			J3003202420X J3003153420X			2KW-J
R 455		5K6W-J						15KW-J
R 456 R 477	J3003562220X J3003100220X	5K6W-J			J3003153420X			15KW-J
	J3003100220X	10W-J 10W-J			J3003152420X J3003152420X			1K5W-J 1K5W-J
	J3003100220X	10KW-J			J3003152420X			1K5W-J
	J3003103220X	10KW-J			J3003681420X			680W-J
	J3003103220X	330W-J			J3003681420X			680W-J
	J3003333220X	33KW-J			J3003051420X			1K5W-J
	J3003152220X	1K5W-J			J3003152420X			1K5W-J
	J3003152220X	1K5W-J			J3003152420X			1K5W-J
	J3003221220X	220W-J		1000	000001024207	17-7-4-4		111011 0
	J3003221220X	220W-J	!	R 421	J3063561421X	1/4W	FUSIBLE	560W-J
	J3003271220X	270W-J	!		J3063561421X		FUSIBLE	560W-J
	J3003273220X	27KW-J	i		J3063561421X		FUSIBLE	560W-J
	J3003102220X	1KW-J	i		J3063561421X		FUSIBLE	560W-J
	J3003561220X	560W-J	i		J3063561421X		FUSIBLE	560W-J
	J3003472220X	4K7W-J	i		J3063561421X		FUSIBLE	560W-J
	J3003562220X	5K6W-J	!		J3063561421X		FUSIBLE	560W-J
	J3003100220X	10W-J	!		J3063561421X		FUSIBLE	560W-J
	J3003103220X	10KW-J	!		J3063561421X		FUSIBLE	560W-J
	J3003153220X	15KW-J	i		J3063561421X		FUSIBLE	560W-J
	J3003153220X	15KW-J	!		J3063561421X		FUSIBLE	560W-J
	J3003183220X	18KW-J	!		J3063561421X		FUSIBLE	560W-J
	J3003183220X	18KW-J	!		J3063151421X		FUSIBLE	150W-J
	J3003153220X	15KW-J	!		J3063151421X		FUSIBLE	150W-J
	J3003183220X	18KW-J	!		J3063151421X		FUSIBLE	150W-J
R 561	J3003822220X	8K2W-J	!		J3063151421X		FUSIBLE	150W-J
	J3003563220X	56KW-J	!		J3063151421X		FUSIBLE	150W-J
	J3003473220X	47KW-J	!		J3063151421X		FUSIBLE	150W-J
		-3	6					

	REF NO.	PART NO.	ı	DESCRIPTION	1		REF NO.	PART NO.	D	ESCRIPTION	ON
!	R 443	J3063151421X	1/4\\/	FUSIBLE	150W-J		! R 471	J3076228421X	5\// \	IPR DUAL	0.22W-J
•	R 444	J3063151421X		FUSIBLE	150W-J			J3076228421X		MPR DUAL	0.22W-J
i	R 457			FUSIBLE	100W-J			J3076228421X		MPR DUAL	0.22W-J
i	R 458	J3063101421X		FUSIBLE	100W-J		1 1000	000702204217	300	II IN DOAL	0.22 0
į	R 459	J3063101421X		FUSIBLE	100W-J		VR 401	J3211310222X	EVNDJAA03B	13 SEMI-R	1KW-J
!	R 460	J3063101421X		FUSIBLE	100W-J			J3211310222X			1KW-J
!	R 461	J3063150421X		FUSIBLE	15W-J			J3211322122X			220W-J
!	R 462	J3063150421X		FUSIBLE	15W-J		VR 404	J3211322122X	EVNDJAA03BI	E2 SEMI-R	220W-J
!	R 463	J3063150421X	1/4W	FUSIBLE	15W-J		VR 501	J3211310222X	EVNDJAA03B	13 SEMI-R	1KW-J
!	R 464	J3063150421X	1/4W	FUSIBLE	15W-J		VR 502	J3211322122X	EVNDJAA03BI	E2 SEMI-R	220W-J
!	R 465	J3063229421X	1/4W	FUSIBLE	2R2W-J						
!	R 466	J3063229421X	1/4W	FUSIBLE	2R2W-J			CAPACITORs			
!	R 467	J3063229421X		FUSIBLE	2R2W-J			J3470110041X		25V	10uF-M
!	R 468	J3063229421X		FUSIBLE	2R2W-J			J3470110041X		25V	10uF-M
!	R 469	J3063820421X		FUSIBLE	82W-J			J3470110141X		25V	100uF-M
!	R 470	J3063820421X		FUSIBLE	82W-J			J3470110141X		25V	100uF-M
!	R 473	J3063100421X		FUSIBLE	10W-J			J3470122121X J3470122121X		10V	220uF-M
:	R 474 R 487	J3063100421X J3063229421X		FUSIBLE FUSIBLE	10W-J 2R2W-J	ID		J3470122121X J3470110091X	_	10V 100V	220uF-M 10uF-M
:	R 487			FUSIBLE	10W-J			J3470110091X		100V	10uF-M
i	R 511	J3063561421X		FUSIBLE	560W-J	ы	_	J3470110091X	_	100V	10uF-M
į		J3063561421X		FUSIBLE	560W-J			J3470110091X	_	100V	10uF-M
į	R 513	J3063561421X		FUSIBLE	560W-J			J3470147181X		63V	470uF-M
!	R 514	J3063561421X		FUSIBLE	560W-J			J3470147181X		63V	470uF-M
!	R 515	J3063561421X	1/4W	FUSIBLE	560W-J		C 423	J3470147181X	ELEC	63V	470uF-M
!	R 516	J3063561421X	1/4W	FUSIBLE	560W-J		C 424	J3470147181X	ELEC	63V	470uF-M
!	R 517	J3063151421X	1/4W	FUSIBLE	150W-J		C 427	J3470122041X	ELEC	25V	22uF-M
!	R 518	J3063151421X	1/4W	FUSIBLE	150W-J		C 428	J3470122041X	ELEC	25V	22uF-M
!	R 521	J3063151421X		FUSIBLE	150W-J		C 481	J3420482266X	ELEC	63V	8200uF-M
!	R 522	J3063151421X		FUSIBLE	150W-J			J3420482266X		63V	
!	R 529	J3063101421X		FUSIBLE	100W-J			J3470122261X			2200uF-M
!	R 530	J3063101421X		FUSIBLE	100W-J			J3470122261X			2200uF-M
!	R 531	J3063150421X		FUSIBLE	15W-J			J3470147071X		50V	47uF-M
:	R 532 R 533	J3063150421X J3063229421X		FUSIBLE FUSIBLE	15W-J 2R2W-J			J3470147071X J3470147041X		50V 25V	47uF-M 47uF-M
i	R 533	J3063229421X		FUSIBLE	2R2W-J			J3470147041X		25V 25V	47uF-M
į		J3063820421X		FUSIBLE	82W-J			J3470147071X		50V	47uF-M
!		J3063100421X		FUSIBLE	10W-J			J3470147041X		25V	47uF-M
								J3470147071X		50V	47uF-M
!	R 445	J3017100421X	1/4W	MF	10W-J		C 494	J3470147041X	ELEC	25V	47uF-M
!	R 446	J3017100421X	1/4W	MF	10W-J		C 495	J3470147071X	ELEC	50V	47uF-M
!	R 447	J3017100421X	1/4W	MF	10W-J		C 496	J3470147041X	ELEC	25V	47uF-M
!		J3017100421X		MF	10W-J			J3470122231X		16V	2200uF-M
!		J3013100621X		MF	10W-J			J3470110041X		25V	10uF-M
!		J3013100621X		MF	10W-J			J3470110141X		25V	100uF-M
!		J3013220620X		MF	22W-J			J3470122121X		10V	220uF-M
!		J3013220620X		MF	22W-J			J3470110091X		100V	10uF-M
!		J3013220620X J3013220620X		MF	22W-J 22W-J			J3470110091X J3470147181X		100V 63V	10uF-M 470uF-M
:		J3017100421X		MF MF	10W-J			J3470147181X		63V	470uF-M
i		J3017100421X		MF	10W-J			J3470122041X		25V	22uF-M
!		J3013100621X		MF	10W-J			J3470147121X		10V	470uF-M
•								J3470110061X		35V	10uF-M
!	R 485	J3030100820X	3W	OXIDE	10W-J	IB	C 561	J3470110971X	ELEC	50V	1uF-M
!	R 485	J3030220820X	3W	OXIDE	22W-J	вк	C 562	J3470110071X	ELEC	50V	10uF-M
!	R 486	J3030100820X	3W	OXIDE	10W-J		C 568	J3470110031X	ELEC	16V	10uF-M
!	R 495	J3030100820X	3W	OXIDE	10W-J	IB					
!		J3030220820X		OXIDE	22W-J	BK		J3513680270X		CH 50V	68pF-J
!	R 496	J3030100820X	3W	OXIDE	10W-J		C 404	J3513680270X	CERA/DISC	CH 50V	68pF-J
	0.400	105400000701	OED A /DIGO	01.507	0-50	-37	10/0 440	1440004070011	IE004.07	70	0.5
		J3513309070X		CJ 50V	3pF-C			J4423240760X		7P	2.5mm
	C 410	J3513309070X	OEKA/DISC	CJ 50V	3pF-C		WA 411	J4420040600X	3201-UDA	6P	2.5mm

REF NO.	PART NO.	DF	SCR	IPTIC)N			REF NO.	PART NO.	ı	DESCRI	PTION	
C 411	J3513101270X			50V					J4423240760X		7P	2.5mm	_
_	J3513101270X			50V	100pF-J				J4423240960X		9P	2.5mm	
C 497				50V	•				J4423241160X		11P	2.5mm	
	J3513680270X			50V	68pF-J				J4423240760X		7P	2.5mm	
C 505	J3513309070X			50V	•				J4423240760X		7P	2.5mm	
C 506	J3513101270X			50V	100pF-J				J4423241160X		11P	2.5mm	
C 555	J3523103170X			50V	•				J4423241160X		11P	2.5mm	
	J3523103170X			50V					J4423241160X		11P	2.5mm	
	J3513102170X				1000pF-K				J4423241060X		10P	2.5mm	
									J4423240660X		6P	2.5mm	
C 111	J3514121270X	CERA/AX	СН	50V	120pF-K			WA 423	J4422013020X	8370-301	30P	1.25mm	
C 112	J3514121270X	CERA/AX	СН	50V	120pF-K			WA 424	J4423241160X	JE604-11	11P	2.5mm	
C 113	J3514121270X	CERA/AX		50V	120pF-K			WA 426	J4423240460X	JE604-04	4P	2.5mm	
	J3514121270X			50V	120pF-K				J4423240760X		7P	2.5mm	
C 115	J3514121270X			50V	120pF-K								
C 116	J3514121270X			50V	120pF-K				WIREs				
C 563	J3524104540X			25V					J43344076541	7P,2.5,1533#2	26/1007	#26,650m/m	
C 582	J3524104540X	CERA/AX	F	25V	0.1uF-Z			CN 428	J43343113041	11P,2.0mm,15	533#26/2	2547#26,300mm,	
C 583	J3524104540X	CERA/AX	F	25V	0.1uF-Z			H 501	J43199012529	1P,1672#22,2	50m/m		
C 584	J3524104540X	CERA/AX	F	25V	0.1uF-Z				J43199011629				
C 585	J3524104540X	CERA/AX	F	25V	0.1uF-Z								
C 586	J3524104540X	CERA/AX	F	25V	0.1uF-Z				MISCELLANIE	S			
C 587	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 481	J4210020001X	FUSE CLIP			
C 588	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 482	J4210020001X	FUSE CLIP			
C 589	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 483	J4210020001X	FUSE CLIP			
C 590	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 484	J4210020001X	FUSE CLIP			
C 591	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 485	J4210020001X	FUSE CLIP			
C 592	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB		FH 486	J4210020001X	FUSE CLIP			
C 593	J3524104540X	CERA/AX	F	25V	0.1uF-Z			FU481	J5503320330X	T 2L/250V 50	Г	FUSE IE	В
C 594	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB	!	FU481	J5502220320X	2A/125V 51S		FUSE B	K
C 595	J3524221170X	CERA/AX	В	50V	220pF-K	ΙB	!	FU481	J97100517001	T2L/250V,15n	nmx4mn	n LABEL-FUSE IE	В
C 596	J3524104540X	CERA/AX	F	25V	0.1uF-Z			FU481	J97100515000	2A/125V,15mi	mx4mm	LABEL-FUSE B	K
C 597	J3524104540X	CERA/AX	F	25V	0.1uF-Z			FU482	J5503320330X	T 2L/250V 50	Τ	FUSE IE	В
							!	FU482	J5502220320X	2A/125V 51S		FUSE B I	K
C 417	J3610104330X	POLYESTER/RA		100V	0.1uF-K		!	FU482	J97100517001	T2L/250V,15n	nmx4mn	n LABEL-FUSE IE	В
C 418	J3610104330X	POLYESTER/RA		100V	0.1uF-K			FU482	J97100515000	2A/125V,15mi	mx4mm	LABEL-FUSE B	K
C 419	J3610104330X	POLYESTER/RA		100V	0.1uF-K			FU483	J5503320330X	T 2L/250V 50	Γ	FUSE IE	В
C 420	J3610104330X	POLYESTER/RA		100V	0.1uF-K		!	FU483	J5502220320X	2A/125V 51S		FUSE B I	K
C 484	J3600103330X	POLYESTER/RA		100V	0.01uF-K		!	FU483	J97100517001	T2L/250V,15n	nmx4mn	n LABEL-FUSE IE	В
C 509	J3610104330X	POLYESTER/RA		100V	0.1uF-K			FU483	J97100515000	2A/125V,15mi	mx4mm	LABEL-FUSE B	K
C 510	J3610104330X	POLYESTER/RA		100V	0.1uF-K			JK 401	J4462340110X	JW-6014		4P TERMINAL IE	В
C 551		POLYESTER/RA		100V	0.068uF-K				J4462340210X			4P TERMINAL B I	K
C 552	J3610683330X	POLYESTER/RA		100V	0.068uF-K			JK 501	J4462320110X	JW-6012		2P TERMINAL IE	В
C 553		POLYESTER/RA		100V	0.068uF-K				J4462320210X			2P TERMINAL B	K
		POLYESTER/RA		100V	0.01uF-K			JK 502	J44302602101	JW4105RSS		6P RCA JACK	
C 567	J3600103330X	POLYESTER/RA		100V	0.01uF-K				J4430220210X			2P RCA JACK	
									J44302602101			6P RCA JACK	
	J3640103260X			400V					J2613207070X			0.7uH	
	J3640103260X			400V					J2613207070X			0.7uH	
C 565	J3640103260X	MET POLY/RA		400V	0.01uF-J				J2613207070X			0.7uH	
	1444							P 551	J2431100002X			POSISTOR	
14/4 40:	WAFERS	5007.004	0.5		0.5				J48100050100			201420142	
WA 401	J4420040200X		2P		2.5mm				J5541001010X	•			
	J4420040200X		2P		2.5mm				J5541001020X	•		•	
WA 403	J4420040200X		2P		2.5mm				J5636140030X			SCREW	
WA 404	4420060361	JE202-1T-03R	3P		3.96mm				J5636140040X			SCREW	
WA 405	J4420050560X		5P		3.96mm				J5636140100X	•		SCREW	
WA 407	J4423241060X		10P		2.5mm				J60520501000				
WA 408	J4423240860X	JE604-08	8P		2.5mm				J60530501000	Heatsink: AL,	L=40mr	n, PIN 2EA	

J60530502000 Heatsink :AL, L=50mm, PIN 3EA

ELECTRIC PART LIST(300Series) Rear & Sub-Power, Video P.C. BOARD

REF NO. PART NO.	DESCRIPTION		REF NO.	PART NO.		DESCRIPTION	
J13200352021	REAR P.C. BOARD	IB	D 694	J2221010100X	100122		SW.
J13200352021	REAR P.C. BOARD	BK		J2221010100X			SW.
010200001021	REART 10. BOARD	DIC		J2202366007X			BRIDGE
TRANSISTOR	Rs		2 001	02202000077	D00 041		BIGDOL
Q 601 J2021020701X		NPN		RESISTORs			
Q 602 J2021020701X	(KTC3200-BL	NPN	R 601	J3003331220X	1/8W	CARBON	330W-J
Q 603 J2021020701X	(KTC3200-BL	NPN	R 602	J3003331220X	1/8W	CARBON	330W-J
Q 604 J2021020701X	KTC3200-BL	NPN	R 603	J3003333220X	1/8W	CARBON	33KW-J
Q 605 J2021020701X	(KTC3200-BL	NPN	R 604	J3003333220X	1/8W	CARBON	33KW-J
Q 606 J2021020701X	(KTC3200-BL	NPN		J3003152220X		CARBON	1K5W-J
Q 607 J2021020201X		NPN		J3003152220X		CARBON	1K5W-J
Q 608 J2021020201X		NPN		J3003152220X		CARBON	1K5W-J
Q 611 J2021005101X		PNP		J3003152220X		CARBON	1K5W-J
Q 612 J2021005101X		PNP	R 609	J3003221220X		CARBON	220W-J
Q 613 J2021005101X		PNP		J3003221220X		CARBON	220W-J
Q 614 J2021005101X		PNP	_	J3003221220X J3003221220X		CARBON	220W-J
Q 615 J2021020701X Q 616 J2021020701X		NPN NPN		J3003221220X J3003271220X		CARBON CARBON	220W-J 270W-J
Q 617 J2021000101X		PNP		J3003271220X		CARBON	270W-J
Q 618 J2021000101X	-	PNP		J3003273220X		CARBON	276W-J
Q 619 J2021020501X		NPN		J3003273220X		CARBON	27KW-J
Q 620 J2021020501X		NPN	R 649	J3003102220X		CARBON	1KW-J
Q 621 J2021000101X		PNP		J3003102220X		CARBON	1KW-J
Q 622 J2021000101X	-	PNP	R 651	J3003561220X		CARBON	560W-J
Q 623 J2021020501X	(KTC3206-Y	NPN	R 652	J3003561220X		CARBON	560W-J
Q 624 J2021020501X	(KTC3206-Y	NPN	R 653	J3003472220X	1/8W	CARBON	4K7W-J
Q 625 J2002520101X	(KTC4370-Y	NPN	R 654	J3003472220X	1/8W	CARBON	4K7W-J
Q 626 J2002520101X	(KTC4370-Y	NPN	R 655	J3003562220X	1/8W	CARBON	5K6W-J
Q 627 J2021020701X	(KTC3200-BL	NPN	R 656	J3003562220X	1/8W	CARBON	5K6W-J
Q 628 J2021020701X	(KTC3200-BL	NPN	R 677	J3003100220X	1/8W	CARBON	10W-J
Q 629 J2021020501X		NPN		J3003100220X		CARBON	10W-J
Q 630 J2021020501X		NPN		J3003153220X		CARBON	15KW-J
Q 631 J2021000101X		PNP		J3003153220X		CARBON	15KW-J
Q 632 J2021000101X		PNP		J3003183220X		CARBON	18KW-J
Q 633 J2002500101X		PNP		J3003183220X		CARBON	18KW-J
Q 634 J2002500101X Q 635 J2002520101X		PNP	R 689	J3003393220X		CARBON CARBON	39KW-J
		NPN NPN	R 690	J3003393220X		CARBON	39KW-J 10KW-J
Q 636 J2002520101X Q 637 J2002520103X		NPN		J3003103220X J3003393220X		CARBON	39KW-J
Q 638 J2002520103X	, ,	NPN		J3003393220X		CARBON	10KW-J
Q 639 J2002500103X	` '	PNP		J3003103220X		CARBON	10KW-J
Q 640 J2002500103X	` ,	PNP	11 000	0000010022070	1,011	071112011	1011110
Q 681 J2021020701X		NPN	R 617	J3003333420X	1/4W	CARBON	33KW-J
Q 682 J2021020701X		NPN		J3003333420X		CARBON	33KW-J
Q 683 J2021005101X		PNP		J3003202420X		CARBON	2KW-J
			R 620	J3003202420X	1/4W	CARBON	2KW-J
FETs			R 637	J3003153420X	1/4W	CARBON	15KW-J
Q 609 J2021120303X	(2SK373-GR	N-CH	R 638	J3003153420X	1/4W	CARBON	15KW-J
Q 610 J2021120303X	(2SK373-GR	N-CH	R 639	J3003153420X	1/4W	CARBON	15KW-J
				J3003153420X		CARBON	15KW-J
DIODEs				J3003152420X		CARBON	1K5W-J
D 601 J2221010100X		SW.		J3003152420X		CARBON	1K5W-J
D 602 J2221010100X		SW.		J3003152420X		CARBON	1K5W-J
D 603 J2221010100X		SW.	R 688	J3003152420X	1/4VV	CARBON	1K5W-J
D 604 J2221010100X		SW.	D 00:	10000504 1043	4 /4\\\	ELICIDI E	ECOM !
D 681 J2221010100X		SW.		J3063561421X		FUSIBLE	560W-J
D 682 J2221010100X D 683 J2221010100X		SW. SW.		J3063561421X J3063561421X		FUSIBLE	560W-J
D 003 JZZZ IU IU IUUA	(100100	SVV.	-30	03003301421A	1 / * + V V	FUSIBLE	560W-J

-39

REF NO.	PART NO.	DESCRIPT	TON		REF NO.	PART NO.	DI	ESCRIPTIO	N	
D 604	J3063561421X	1/4W FUSIBLE	560W-J		C 606	J3470110031X	FLFC	16V	10uF-M	
	J3063561421X		560W-J			J3470110031X		25V	10uF-W	
	J3063561421X		560W-J			J3470110041X		25 V	10uF-W	
	J3063561421X		560W-J			J3470110041X	_	25V 25V	100uF-M	
_	J3063561421X		560W-J			J3470110141X		25 V	100uF-M	
	J3063561421X J3063561421X		560W-J			J3470122041X		25V	22uF-M	
			560W-J 560W-J			J3470122041X J3470122121X		25V	22uF-M	
	J3063561421X J3063561421X		560W-J				_	10V 10V	220uF-M	
	J3063151421X		150W-J		C 606	J3470122121X	ELEC	100	220uF-M	
	J3063151421X		150W-J		C 600	J3513309070X	CEDA/DISC	CJ 50V	2nE C	
	J3063151421X		150W-J			J3513309070X		CJ 50V	3pF-C 3pF-C	
	J3063151421X		150W-J			J3513101270X		CJ 50V CH 50V	100pF-J	
								CH 50V	•	
	J3063151421X		150W-J			J3513101270X			100pF-J	
	J3063151421X J3063151421X		150W-J			J3513680270X		CH 50V CH 50V	68pF-J	
			150W-J		C 604	J3513680270X	CERA/DISC (>⊓ 20 V	68pF-J	
	J3063151421X		150W-J		C 647	12640404220V	DOLVESTED/DA	100\/	0.4	
	J3063101421X		100W-J				POLYESTER/RA POLYESTER/RA	100V	0.1uF-K	
	J3063101421X		100W-J				POLYESTER/RA	100V	0.1uF-K	
	J3063101421X J3063101421X		100W-J				POLYESTER/RA	100V	0.1uF-K	
	J3063101421X		100W-J					100V	0.1uF-K	
			15W-J				POLYESTER/RA POLYESTER/RA	100V	0.068uF-K	
	J3063150421X		15W-J		C 682	J3610683330X	POLYESTER/RA	100V	0.068uF-K	
	J3063150421X		15W-J		0.000	10040400000	MET DOLV/DA	400\/	0.045.1	
	J3063150421X		15W-J			J3640103260X		400V	0.01uF-J	
	J3063229421X		2R2W-J			J3640103260X		400V	0.01uF-J	
	J3063229421X		2R2W-J		C 695	J3640103260X	MET POLY/RA	400V	0.01uF-J	
	J3063229421X		2R2W-J			MATER-				
	J3063229421X		2R2W-J		VA/A 004	WAFERS	5007.004	0.0	0.5	
	J3063820421X		82W-J			J4420040200X		2P	2.5mm	
	J3063820421X		82W-J			J4420040200X		2P	2.5mm	
	J3063100421X		10W-J			J4420040700X		7P	2.5mm	
K 6/4	J3063100421X	1/4W FUSIBLE	10W-J		WA 603	J4420060362X	JE202-11-03Y	3P	3.96mm	
R 645	J3017100421X	1/4W MF	10W-J			MISCELLANIE 1 1 2 1	S			
R 646	J3017100421X	1/4W MF	10W-J		JK 601	J4462340110X	JW-6014	4P	TERMINAL	IB
R 647	J3017100421X	1/4W MF	10W-J		JK 601	J4462340210X	JW-6014B	4P	TERMINAL	BK
R 648	J3017100421X	1/4W MF	10W-J		L 601	J2613207070X	SPRING COIL		0.7uH	
R 675	J3013100621X	1W MF	10W-J		L 602	J2613207070X	SPRING COIL		0.7uH	
R 676	J3013100621X	1W MF	10W-J			J48100050100	MICA SHEET			
							WASHER, SPRIN			
	J3076228421X		0.22W-J				WASHER,PLAT;F	-	*0.5,MC,TOY	′ O
R 672	J3076228421X	5W MPR DUAL	0.22W-J				A113016000,TOY		SCREW	
							A183008000,TOY		SCREW	
		EVNDJAA03B S EMI-R	1KW-J				A123008002,TOY		SCREW	
		EVNDJAA03B SE MI-R	1KW-J			J60520506000	POWER AL6063-	T5+PL 1	HEAT SINK	
		EVNDJAA03B S ÆMI-R	220W-J							
VR 604	J3211322122X	EVNDJAA03B S ÆMI-R	220W-J		J132003		SUB-POWER			IB BK
	CAPACITORS				0.0200	<u>-</u>				
C 621	J3470147171X	ELEC 50V	470uF-M			INTEGRATED	CIRCUITS			
C 622	J3470147171X	ELEC 50V	470uF-M	!	IC 981	J2112505019X	KIA7805PI	REG	ULATOR 5V	
C 623	J3470147171X	ELEC 50V	470uF-M							
C 624	J3470147171X	ELEC 50V	470uF-M			TRANSISTOR:	S			
C 691	J3420468256X	ELEC 50V	6800uF-M		Q 981	J2021005101X	KTA1268-BL		PNP	
C 692	J3420468256X	ELEC 50V	6800uF-M		Q 982	J2021220301X	KRC103M		NPN	
C 613	J3470110091X	ELEC 100V	10uF-M		Q 983	J2021220301X	KRC103M		NPN	
C 614	J3470110091X	ELEC 100V	10uF-M		Q 984	J2021020201X	KTC3198-BL		NPN	

Q 985 J2021020201X KTC3198-BL

NPN

100V 100V

100V

10uF-M

10uF-M

C 615 J3470110091X ELEC

C 616 J3470110091X ELEC

R	REF NO.	PART NO.		DESCRIP	TION		REF NO.	PART NO.	DESCR	RIPTION	
		DIODEs						WAFERs			
	D 981	J2221216000X	1N4004	1A ⊦00V	RECTIFIED		WA 981	J4420060261X	JE202-1T-02(3-2)W	2P 7.92mm	า
	D 982	J2221216000X	1N4004	1A 00V	RECTIFIED		WA 983	J4420060200X	35328-0210	2P 7.92mm	า
	D 983	J2221216000X	1N4004	1A 00V	RECTIFIED		WA 985	J4420060262X	JE202A-1T-02R	2P 7.92mm	า
	D 984	J2221216000X	1N4004	1A 100V	RECTIFIED		WA 986	J4420040700X	5267-07A	7P 2.5mm	า
	D 985	J2221216000X	1N4004	1A 100V	RECTIFIED		WA 987	J4420040300X	5267-03A	3P 2.5mm	า
	D 986	J2221216000X	1N4004	1A 100V	RECTIFIED						
		J2221010100X			SW.			WIREs			
		J2221010100X			SW.				1P,1007#22,150m/m		
	D 989	J2221216000X	1N4004	1A 00V	RECTIFIED				1P,1007#22,200m/m		вк
		J2221216000X			RECTIFIED		_		, ,		
		J2221430634X		0.5W	ZENER			MISCELLANIE	·s		
	D 992	J2221010100X	1SS133		SW.				S2-762T-206SE	AC OUTLET	г ів
		J2221475534X		0.5W	ZENER				S2-764T-200SA	AC OUTLET	
		J2221447534X		0.5W	ZENER			J4210020001X		7.0 001221	
	D 000	0222111100111	•	0.011				J4210020001X			
		RESISTORs				!			T 3.15L/250V 50T	FUSE	IR
		J3003102220X	1/8\//	CARBON	1KW-J	· !		J5502250320X		FUSE	
		J3003272220X		CARBON					T3.15L/250V,15mmx4r		
		J3003222220X		CARBON					5A/125V,15mmx4mm	LABEL-FUSE	
		J3003222220X		CARBON					SDT-S-112DMR 10A 1		
		J3003103220X		CARBON		!		J2812410024X		TRANSFORMER	
		J3003131220X J3003471220X		CARBON		<u>.</u> !		J2812410024X J2812210014X		TRANSFORMER	
		J300347 1220X J3003682220X		CARBON			1 901		AL6063S-T5,W/PIN,L:		
		J3003002220X		CARBON					A123008002,TOYO	SCREW	
	K 994	J3003103220A	1/000	CARBON	TURVV-J			J3030140100X	A123006002,1010	SCREW	,
	R 982	J3003222420X	1/4W/	CARBON	2K2W-J		J13200	352023	VIDEO P.C. BOAR	D	IB
		J3003561420X		CARBON			J13200		VIDEO P.C. BOAR		BK
		J3003109420X		CARBON			0.10200	00.020	112201101207111		
		J3003109420X		CARBON				INTEGRATED	CIRCUITS		
			.,	0, (20)				J2121211006X		VIDEO SW	1.
	R 981	J3013479420X	1/4W	MF	4K7W-J			J2116212002X		75W DRIVER	
		J3013220420X		MF				J2126232001X		IDEO SYNC DET	
	11 000	000102201207	.,		2211 0			J2126031001X		OSD GEN	
!	R 995	J3091335033X	1/2W/	OMPOSITION	3M3W-J	BK		J2126004001X		VIDEO 6dB AMF	
								02.2000.00.70	27.11 022.		
		CAPACITORS						TRANSISTOR	S		
	C 984	J3470147171X	ELEC	50V	470uF-M		Q 351	J2021020201X	KTC3198-BL	NPN	1
	C 986	J3470110971X	ELEC	50V	1uF-M		Q 352	J2021060001X	KTD1302-B	NPN	1
	C 987	J3470110071X	ELEC	50V	10uF-M		Q 353	J2021220301X	KRC103M	NPN	1
	C 989	J3470147171X	ELEC	50V	470uF-M		Q 357	J2021220301X	KRC103M	NPN	1
	C 990	J3470147171X	ELEC	50V	470uF-M		Q 358	J2021220301X	KRC103M	NPN	1
	C 991	J3470147071X	ELEC	50V	47uF-M		Q 359	J2021220301X	KRC103M	NPN	1
	C 992	J3470110161X	ELEC	35V	100uF-M		Q 360	J2021200301X	KRA103M	PNF)
							Q 361	J2021060001X	KTD1302-B	NPN	1
	C 983	J3523103170X	CERA/D	ISC B 50V	0.01uF-K		Q 362	J2021060001X	KTD1302-B	NPN	1
	C 997	J3523103170X	CERA/D	ISC B 50V	0.01uF-K						
	C 998	J3523103170X	CERA/D	ISC B 50V	0.01uF-K			DIODEs			
	C 999	J3523103170X	CERA/D	ISC B 50V	0.01uF-K		D 351	J2221010100X	1SS133	SW	
							D 352	J2221010100X	1SS133	SW	
	C 985	J3524104540X	CERA/A	x F 25V	0.1uF-Z						
	C 988	J3524473540X	CERA/A	x F 25V	0.047uF-Z			FILTERs			
	C 993	J3524104540X	CERA/A	x F 25V	0.1uF-Z		XT 352	J3911010021X	CSB503F2	RESONATOR	3
	C 994	J3524104540X	CERA/A	x F 25V	0.1uF-Z		XT 52	J3911010011X	CSB500F40	RESONATOR	₹
	C 995	J3524104540X	CERA/A	x F 25V	0.1uF-Z						
	C 996	J3524104540X	CERA/A	x F 25V	0.1uF-Z			COILs			
							L 354	J2616222020X	AXIAL LAL02	22uH-k	(
	C 892	J3531472412X	SPARK-I	KILLEARC250V).0047uF-M		L 351	J2616227029X	AXIAL LAL02	27uH-k	(
	CA 81	J3926100001X	X-CAP, 3	3351468 3 275V	0.068uF		L 352	J2616227029X	AXIAL LAL02	27uH-k	(
							L 353	J2616227029X	AXIAL LAL02	27uH-k	
						-4′					

BEAD C 380 J3513300270X CERA/DISC CH 50V 30pF-J

REF NO.	PART NO.	ı	DESCRIPT	ION	REF NO	. PART NO.		DESCRIPTI	ON
L 355	J2631200010X	HC3550 9.40	ohm	AXIAL	C 38	1 J3513270270X	CERA/DISC	CH 50V	27pF-J
					C 38	2 J3513240270X	CERA/DISC	CH 50V	24pF-J
	RESISTORS				C 36	2 J3524104540X	CERA/AX	F 25V	0.1uF-Z
R 351	J3003750220X	1/8W	CARBON	75W-J		6 J3524104540X		F 25V	0.1uF-Z
R 352	J3003750220X	1/8W	CARBON	75W-J	C 37	3 J3524222730X	CERA/AX	X 16V	2200pF-M
	J3003750220X		CARBON	75W-J		B J3524103630X		Y 16V	0.01uF-M
	J3003680220X		CARBON	68W-J		- 000211000007			
	J3003121220X		CARBON	120W-J	C 8	7 J3525472170X	CERA/CHIP	B 50V	4700pF-K
	J3003151220X		CARBON	150W-J		8 J3525104540X		F 25V	0.1uF-Z
	J3003122220X		CARBON	1K2W-J		4 J3525104540X		F 25V	0.1uF-Z
	J3003750220X		CARBON	75W-J		5 J3525473170X		B 50V	0.047uF-K
	J3003750220X		CARBON	75W-J		7 J3525473170X		B 50V	3300pF-K
	J3003730220X		CARBON	2K2W-J		8 J3515221270X		CH 50V	220pF-J
	J3003222220X		CARBON	33W-J		1 J3515471270X		CH 50V	470pF-J
				10W-J					
	J3003100220X		CARBON		C 39	3 J3525103170X	CERA/CHIP	B 50V	0.01uF-K
	J3003151220X		CARBON	150W-J		MA EED -			
	J3003330220X		CARBON	33W-J	111.05	WAFERs	.E	0.0	0.5
	J3003222220X		CARBON	2K2W-J	HU 35			8P	2.5mm
R 397	J3003222220X	1/877	CARBON	2K2W-J	HU 35	2 J4423340760X	JE605-07	7P	2.5mm
R 81	J3024221120X	1/10W	CHIP	220W-J		WIREs			
	J3024823120X		CHIP	82KW-J	CN 35	3 J43244071041	WIRE-ASS'Y:7	2 1007#24 1	∩∩m/m
	J3024103120X		CHIP	10KW-J		4 J43344051541	•		
	J3024103120X		CHIP	10KW-J	014 00	1 010011011	WIRE-A00 1, 0	1 ,2547#20/	1333#20, 13011111
	J3024103120X		CHIP	10KW-J		MISCELLANIE	2		
	J3024104120X		CHIP	100KW-J	ID 35	1 J44302902201		Y 2P	RCA JACK
	J3024562120X		CHIP	5K6W-J		2 J44302903201		Y 3P	RCA JACK
			CHIP						RELAY
	J3024103120X			10KW-J		1 J5513300002X		12V	
	J3024272120X		CHIP	2K7W-J		2 J5513300002X		12V	RELAY
	J3024222120X		CHIP	2K2W-J		1 J3913010065X		•	X-TAL
	J3024391120X		CHIP	390W-J	X1 35	1 J3913010055X	14.31818MHZ	30pF	X-TAL
				4 8 4 8 4 1					
K 399	J3024105120X	1/10W	CHIP	1MW-J	11320	N352N2 <i>4</i>	S-VIDEO P.O	BOARD	ID
	CAPACITORs		CHIP	1MW-J		0352024 0351024	S-VIDEO P.O S-VIDEO P.O		
			CHIP 50V	1MW-J 4.7uF-M			S-VIDEO P.C		
C 352	CAPACITORs	ELEC			J1320	0351024	S-VIDEO P.O CIRCUITs		
C 352 C 354	CAPACITORs J3470147971X	ELEC ELEC	50V	4.7uF-M	J1320	<mark>0351024</mark> INTEGRATED	S-VIDEO P.O CIRCUITS PC-17T1		вк РНОТО
C 352 C 354 C 356	CAPACITORs J3470147971X J3470147971X	ELEC ELEC ELEC	50V 50V 50V	4.7uF-M 4.7uF-M 4.7uF-M	J1320 IC IC	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X	S-VIDEO P.C CIRCUITs PC-17T1 PC-17T1	<mark>. BOARD</mark>	вк
C 352 C 354 C 356 C 359	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X	ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M	J1320 IC IC IC	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X	S-VIDEO P.C CIRCUITs PC-17T1 PC-17T1 74VHC132SJX	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE
C 352 C 354 C 356 C 359 C 360	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X J3470133121X	ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M	J1320 IC IC IC IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X	ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M	J1320 IC IC IC IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE
C 352 C 354 C 356 C 359 C 360 C 361 C 363	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M	J1320 IC IC IC IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X J3470147041X J3470147041X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 47uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369 C 370	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X J3470147041X J3470110216X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V 25V 6.3V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 47uF-M 1000uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400015X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X 1 J2021020201X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369 C 370 C 371	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X J3470110216X J3470110216X J3470110216X J3470110216X J34701122971X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V 25V 6.3V 50V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 47uF-M 1000uF-M 2.2uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369 C 370 C 371	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X J3470110216X J3470110216X J3470110216X J3470122971X J34701122871X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V 25V 6.3V 50V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 1000uF-M 2.2uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X 1 J2021020201X 2 J2021020201X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW.
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369 C 370 C 371 C 372 C 374	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470147041X J3470147041X J3470147041X J3470110216X J3470122971X J34701122871X J3470110216X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V 25V 6.3V 50V 6.3V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 1000uF-M 2.2uF-M 0.22uF-M	J1320 IC IC IC 37 IC 37 Q Q 37 Q 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X 1 J2021020201X 2 J2021020201X COILs	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL KTC3198-BL	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW. PNP NPN NPN
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 369 C 370 C 371 C 372 C 374 C 377	CAPACITORS J3470147971X J3470147971X J3470110216X J3470133121X J3470110031X J3470147041X J3470147041X J3470110216X J3470122971X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 50V 6.3V 10V 16V 25V 25V 25V 6.3V 50V 6.3V 50V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 1000uF-M 2.2uF-M 0.22uF-M 1000uF-M 1uF-M	J1320 IC IC IC 37 IC 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X 1 J2021020201X 2 J2021020201X COILs 1 J2616227029X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL KTC3198-BL	<mark>. BOARD</mark>	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW. PNP NPN NPN NPN 27uH-K
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C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 370 C 371 C 372 C 374 C 377 C 383 C 386 C 389 C 392 C 351 C 353 C 355 C 357 C 358 C 357	CAPACITORS J3470147971X J3470147971X J3470147971X J3470110216X J3470110031X J3470147041X J3470147041X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J3470110271X J3470110971X J3470110971X J3470110971X J3470110971X J3470110971X J3470110971X J3470110971X J3470110971X J3470110971X J3513101270X J3513101270X J3513101270X J3513101270X J3513101270X J3513101270X J3513300270X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 6.3V 10V 16V 25V 25V 6.3V 50V 6.3V 50V 50V 50V 50V 50V 50V 50V 50V 50V 50	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 1000uF-M 0.22uF-M 1000uF-M 1uF-M 1uF-M 1uF-M 1uF-M 100P-J 100pF-J 100pF-J 100pF-J 100pF-J 30pF-J	J1320 IC IC IC IC 37 IC 37 IC 37 Q 37 Q 37 L 37 L 37 L 37 L 38 R R R R	INTEGRATED INTEGRATED J2413400016X J2413400016X J2413400016X J2142930005X J2121211006X TRANSISTOR J2021200201X J2021020201X COILS J2616227029X BEADS J2631200010X J2631200010X RESISTORS J3003271220X J3003271220X J3003022220X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL KTC3198-BL KTC3198-BL HC3550 9.4ohn HC3550 9.4ohn HC3550 9.4ohn HC3550 9.4ohn	CARBON CARBON CARBON	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW. VIDEO SW. VIDEO SW. AND NPN NPN NPN NPN NPN NPN NPN NPN NPN N
C 352 C 354 C 356 C 359 C 360 C 361 C 363 C 367 C 370 C 371 C 372 C 374 C 377 C 383 C 386 C 389 C 392 C 351 C 353 C 355 C 357 C 358 C 357	CAPACITORS J3470147971X J3470147971X J3470110216X J3470110031X J3470147041X J3470147041X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J3470110216X J34701102170X J3470110971X J3513101270X J3513101270X J3513101270X J3513101270X J3513101270X J3513101270X J3513101270X	ELEC ELEC ELEC ELEC ELEC ELEC ELEC ELEC	50V 50V 6.3V 10V 16V 25V 25V 6.3V 50V 6.3V 50V 50V 50V 50V 50V 50V CH 50V CH 50V CH 50V CH 50V	4.7uF-M 4.7uF-M 4.7uF-M 1000uF-M 330uF-M 10uF-M 47uF-M 47uF-M 1000uF-M 0.22uF-M 1000uF-M 1uF-M 1uF-M 1uF-M 1uF-M 1uF-M 1uF-M 1uF-M 100pF-J 100pF-J 100pF-J 100pF-J 100pF-J	J1320 IC IC IC IC 37 IC 37 IC 37 Q 37 Q 37 L 37 L 37 L 37 L 38 R R R R R JP 37	0351024 INTEGRATED 1 J2413400016X 2 J2413400016X 3 J2142930005X 1 J2121211006X 2 J2121211006X TRANSISTOR 2 J2021200201X 1 J2021020201X 2 J2021020201X COILS 1 J2616227029X BEADS 8 J2631200010X 9 J2631200010X 9 J2631200010X 0 J2631200010X RESISTORS 3 J3003271220X 4 J3003271220X	S-VIDEO P.C CIRCUITS PC-17T1 PC-17T1 74VHC132SJX LA7951 LA7951 S KRA102M KTC3198-BL KTC3198-BL KTC3198-BL HC3550 9.4ohn HC3550 9.4ohn HC3550 9.4ohn HC3550 9.4ohn HC3550 9.4ohn	CARBON CARBON	PHOTO PHOTO NAND GATE VIDEO SW. VIDEO SW. VIDEO SW. APN NPN NPN NPN NPN NPN NPN NPN NPN NPN

REF NO.	PART NO.	Г	ESCRIPTI	ON	REF NO.	PART NO.	DESCF
	J3003222220X		CARBON	2K2W-J			
	J3003750220X		CARBON	75W-J			
				75W-J			
	J3003750220X		CARBON				
	J3003680220X		CARBON	68W-J			
	J3003680220X		CARBON	68W-J			
R 386	J3003750220X	1/8W	CARBON	75W-J			
R 387	J3003750220X	1/8W	CARBON	75W-J			
R 388	J3003750220X	1/8W	CARBON	75W-J			
R 389	J3003750220X	1/8W	CARBON	75W-J			
R 390	J3003680220X	1/8W	CARBON	68W-J			
	J3003680220X		CARBON	68W-J			
	J3003050220X		CARBON	150W-J			
				1K2W-J			
	J3003122220X		CARBON				
	J3003151220X		CARBON	150W-J			
R 395	J3003122220X	1/8W	CARBON	1K2W-J			
	CAPACITORS						
C 1	J3470110031X	ELEC	16V	10uF-M			
C 305	J3470147971X	ELEC	50V	4.7uF-M			
C 306	J3470147971X	ELEC	50V	4.7uF-M			
	J3470133121X		10V	330uF-M			
	J3470133121X		10V	330uF-M			
	J3470147971X		50V	4.7uF-M			
	J3470147971X		50V	4.7uF-M			
	J3470147971X		50V	4.7uF-M			
C 312	J3470147971X	ELEC	50V	4.7uF-M			
C 313	J3470147121X	ELEC	10V	470uF-M			
C 314	J3470147121X	ELEC	10V	470uF-M			
C 315	J3470110031X	ELEC	16V	10uF-M			
C 316	J3470110031X	ELEC	16V	10uF-M			
C 318	J3470147041X	ELEC	25V	47uF-M			
	J3470147041X		25V	47uF-M			
C 2	J3523104540X	CERA/DISC	F 25V	0.1uF-Z			
	J3513101270X			100pF-J			
	J3513101270X		CH 50V	100pF-J			
	J3513101270X			100pF-J			
	J3513101270X			100pF-J			
	J3513101270X			100pF-J			
	J3513101270X			100pF-J			
	J3513101270X			100pF-J			
C 397	J3513101270X	CERA/DISC	CH 50V	100pF-J			
C 398	J3513101270X	CERA/DISC	CH 50V	100pF-J			
	J3513101270X		CH 50V	100pF-J			
	-			•			
C 317	J3524104540X	CERA/AX	F 25V	0.1uF-Z			
	J3524104540X		F 25V	0.1uF-Z			
	J3524104540X		F 25V	0.1uF-Z 0.1uF-Z			
U 322	J3524104540X	CERAVAX	F 25V	0.1uF-Z			
	WAEED.						
	WAFERS	IE005.07	7D	2 E			
	J4423340760X		7P	2.5mm			
	J4423340460X		4P	2.5mm			
WA 353	J4420040700X	5267-07A	7P	2.5mm			
	MISCELLANIE		45	14.011			
	J4433210120X			JACK			
JA 2	J4433220130X	HSJ1002-01-	2P	JACK			
					-43		

ELECTRIC PART LIST(300Series) TUNER & FRONT P.C. BOARD

REF NO.	PART NO.	DES	SCRIPTION	<u> </u>		REF NO.	PART NO.		DESCRIPTION		
J13200	352041	TUNER P.C.	BOARD		IB	R 892	J3003102220X	1/8W	CARBON	1KW-J	IB
J13200		TUNER P.C.	_		BK		J3003220420X		CARBON	22W-J	
0.0200	001011						J3003470420X		CARBON	47W-J	
ı	INTEGRATED	CIRCUITS					J3003331420X	.,	CARBON	330W-J	
	J2115211000X			AM/FM IF		R 855	J3003331420X	1/4W	CARBON	330W-J	IB
IC 803	J2115211005X	LA3410		FM MPX		R 865	J3003220420X	1/4W	CARBON	22W-J	
IC 802	J2115611002X	LC72131M		PLL		R 866	J3003331420X	1/4W	CARBON	330W-J	
IC 804	J2125004001X	BU1923F	RDS	DECODER	IB						
						R 823	J3013101320X	1/5W	CARBON	100W-J	
_	TRANSISTOR	s				R 891	J3013220320X	1/5W	CARBON	22W-J	ΙB
Q 801	J2021021001X	KTC3192-O		NPN							
Q 802	J2021021001X	KTC3192-O		NPN		R 801	J3024101120X	1/10W	CHIP	100W-J	
	J2021021001X			NPN			J3024122120X		CHIP	1K2W-J	
	J2021020701X			NPN			J3024222120X		CHIP	2K2W-J	
	J2021200101X			PNP			J3024331120X		CHIP	330W-J	
	J2021200101X			PNP			J3024121120X		CHIP	120W-J	
	J2021200101X			PNP			J3024392120X		CHIP	3K9W-J	
	J2021220601X			NPN			J3024332120X		CHIP	3K3W-J	
	J2021220601X			NPN			J3024331120X		CHIP	330W-J	
Q 891	J2021021001X	K1C3192-O		NPN	IB		J3024689120X J3024821120X		CHIP	6K8W-J	
	FET						J3024021120X J3024101120X		CHIP CHIP	820W-J 100W-J	
	J2021120203X	25K246-V		N-CH			J3024104120X		CHIP	100W-J	
Q 004	32021120203X	231(240-1		N-OII			J3024104120X		CHIP	100KW-J	
	DIODEs						J3024221120X		CHIP	220W-J	
	J2221010100X	1SS133		SW.			J3024103120X		CHIP	10KW-J	
	J2221010100X			SW.			J3024331120X		CHIP	330W-J	
	J2221010100X			SW.			J3024102120X		CHIP	1KW-J	
D 804	J2221010100X	1SS133		SW.		R 820	J3024271120X	1/10W	CHIP	270W-J	
VC 801	J2200630001X	SVC321SPA-D2	2 \	/ARACTOR		R 822	J3024332120X	1/10W	CHIP	3K3W-J	
VC 802	J2200630001X	SVC321SPA-D2	2 \	/ARACTOR		R 824	J3024102120X	1/10W	CHIP	1KW-J	
ZD 802	J2221451534X	0.5W, 5.1V		ZENER	IB	R 825	J3024562120X	1/10W	CHIP	5K6W-J	
ZD 803	J2221451534X	0.5W, 5.1V		ZENER		R 826	J3024223120X	1/10W	CHIP	22KW-J	
ZD 804	J2221447534X	0.5W, 4.7V		ZENER		R 827	J3024104120X	1/10W	CHIP	100KW-J	
						R 828	J3024102120X	1/10W	CHIP	1KW-J	
l	FILTERs					R 829	J3024683120X	1/10W	CHIP	68KW-J	
		SFE10.7MS3-A		C.FILTER			J3024273120X		CHIP	27KW-J	
		SFE10.7MA5-A		C.FILTER			J3024182120X		CHIP	1K8W-J	
		SFE10.7MS3-A		C.FILTER			J3024562120X		CHIP	5K6W-J	
		SFE10.7MA5-A		C.FILTER			J3024332120X		CHIP	3K3W-J	
		SFE10.7MS3-A		C.FILTER			J3024102120X		CHIP	1KW-J	
		SFE10.7MA5-A	Ĺ	C.FILTER			J3024154120X		CHIP	150KW-J	
	J3921200021X J3921100012X			C.FILTER C.FILTER			J3024154120X J3024154120X		CHIP CHIP	150KW-J 150KW-J	
	J39120100012X		PF	SONATOR			J3024154120X		CHIP	150KW-J	
1 000	333120100037	000400111	111	LOONATOR			J3024332120X		CHIP	3K3W-J	ВK
	COILs						J3024272120X		CHIP	2K7W-J	
	J2613220320X	CHOKE COIL		20.8mH-K	IB		J3024332120X		CHIP	3K3W-J	
	J2616227029X			27uH-K			J3024272120X		CHIP	2K7W-J	
	J2616227029X			27uH-K			J3024101120X		CHIP	100W-J	
		M7ZN-K5643A-	KR	AM ANT			J3024101120X		CHIP	100W-J	
T 802	J2621000012X	7BR-K111027X	2-KR	AM OSC		R 846	J3024332120X	1/10W	CHIP	3K3W-J	
		A71MC-K67271		AM IFT		R 847	J3024332120X	1/10W	CHIP	3K3W-J	
T 804	J2625200012X	292BCA-K5713	TKG/W	FM DET1		R 848	J3024103120X	1/10W	CHIP	10KW-J	
T 805	J2625200022X	292BCA-K5714	X/B	FM DET2		R 849	J3024103120X	1/10W	CHIP	10KW-J	
T 806	J3923210022X	253AGG-K5001	-KR N	IPX FILTER		R 852	J3024103120X	1/10W	CHIP	10KW-J	
T 807	J3923210022X	253AGG-K5001	-KR M	IPX FILTER		R 853	J3024561120X	1/10W	CHIP	560W-J	
						R 854	J3024561120X	1/10W	CHIP	560W-J	
	RESISTORs						J3024560120X		CHIP	56W-J	
	J3003391220X		CARBON				J3024473120X		CHIP	47KW-J	
	J3003221220X		CARBON				J3024561120X		CHIP	560W-J	
K 831	J3003102220X	1/877	CARBON	1KW-J		R 860	J3024103120X	1/10W	CHIP	10KW-J	

REF NO.	PART NO.	DES	CRIP	TION			REF NO.	PART NO.	DESC	RIPTION	١	
R 861	J3024103120X	1/10W	(CHIP	10KW-J		C 830	J3525223170X	CERA/CHIP	B 50V	0.022uF-K	
	J3024103120X		(CHIP	10KW-J			J3515300270X		CH 50V	•	
	J3024221120X			CHIP	220W-J			J3515300270X		CH 50V	1	IB
	J3024331120X			CHIP	330W-J			J3525223170X			0.022uF-K	
	J3024104120X		(CHIP	100KW-J			J3515561170X		SL 50V	560pF-J	IB
	J3024223120X			CHIP	22KW-J			J3525223170X			0.022uF-K	
	J3024100120X			CHIP	10W-J			J3515150270X		CH 50V	15pF-J	
	J3024103120X			CHIP	10KW-J	ΙB		J3525223170X			0.022uF-K	
	J3024681120X			CHIP	680W-J			J3525223170X			0.022uF-K	
R 899	J3024103120X	1/10W	(CHIP	10KW-J			J3515331170X		SL 50V	•	
								J3515820270X		CH 50V		
	J3211347322X				47KW-J			J3515101270X		CH 50V	•	
	J3211347322X				47KW-J		C 894	J3525223170X	CERA/CHIP	B 50V	0.022uF-K	IB
VR 803	J3211322422X	EVNDJAA03BE	SEMI-	RES	220KW-J		0.044	100001000001				
									POLYESTER/RA		0.001uF-K	
0.000	CAPACITORS			4.03.4	40.514				POLYESTER/RA		0.068uF-K	
	J3470610031X			16V	10uF-M		C 834	J3600473330X	POLYESTER/RA	100V	0.047uF-K	
	J3470610971X			50V	1uF-M		0.000	100=0.1=10.101/			_ .	
	J3470147031X			16V	47uF-M		C 806	J3670471210X	STYROL	50V	470pF-J	
	J3470633941X			25V	3.3uF-M		07.004	100010010011			- .	
	J3470647931X			16V	4.7uF-M		CT 801	J3801201001X	TRIMER		20pF-J	
	J3470147871X			50V				WAFED.				
	J3470147031X			16V	47uF-M		\\\\ \ 004	WAFERS	JE005 40 4	IOD	0.5	
	J3470110131X			16V	100uF-M			J4423341060X		IOP	2.5mm	
	J3470633941X			25V	3.3uF-M		WA 802	J4423340660X	JE605-06	6P	2.5mm	
	J3470122971X			50V	2.2uF-M			MICCELL ANDE				
	J3470610031X			16V	10uF-M			MISCELLANIES		A N.T	TEDMINIAL	DI
	J3471647871X			50V	0.47uF-M	ВИ		J4435230100X			TERMINAL	
	J3470610031X			16V	10uF-M		AN 1 801	J4435230200X	SC0210392N FTA4-	ANI	TERMINAL	IR
	J3470168971X			50V	6.8uF-M			J3903200012X		۰۰- ۲	F.E. PACK	
	J3470610031X J3470168971X			16V 50V	10uF-M 6.8uF-M			J3913010015X J3913010025X		20pF 20pF		ID
	J3470147031X			16V	47uF-M		Λ 002	J3913010025A	4.33ZIVITIZ	20pr	V-IAT	ю
	J3470122971X			50V	2.2uF-M		J132003	52042	FRONT P.C. E	CAPD		IB
	J3470610031X			16V	10uF-M		J132003		FRONT P.C. E			BK
	J3470147031X			16V	47uF-M		0102000	31042	TROMT T.C. L	JOAND		DIX
	J3470110131X			16V	100uF-M			INTEGRATED	CIRCUITS			
	J3470610031X			16V	10uF-M				CXP82860-174Q	(MCU-00	u-COM	
	J3470633941X			25V	3.3uF-M			J2120012001X		(OP-AMP	
								J2120012001X			OP-AMP	
C 838	J3513471170X	CERA/DISC	SL	50V	470pF-J	вк		J2120012001X			OP-AMP	
	J3513331170X			50V	330pF-J							
	J3513471170X			50V	470pF-J			TRANSISTOR	S			
	J3513331170X			50V	330pF-J			J2021020301X			NPN	
								J2021220301X			NPN	
C 813	J3524223540X	CERA/AX	Z	25V	0.022uF-Z		Q 903	J2021220301X	KRC103M		NPN	
	J3514820270X			50V	82pF-K			J2021020301X			NPN	
C 818	J3524223540X	CERA/AX	F	25V	0.022uF-Z			J2021020301X			NPN	
C 843	J3524331170X	CERA/AX	K	50V	330pF-K	IB	Q 906	J2021020301X	KTC3199-GR		NPN	
C 846	J3524223540X	CERA/AX	Z	25V	0.022uF-Z	IB	Q 907	J2021020301X	KTC3199-GR		NPN	
							Q 908	J2021020301X	KTC3199-GR		NPN	
C 801	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 909	J2021020301X	KTC3199-GR		NPN	
C 802	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 910	J2021020301X	KTC3199-GR		NPN	
C 803	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 911	J2021020301X	KTC3199-GR		NPN	
C 804	J3525473170X	CERA/CHIP	В	50V	0.047uF-K		Q 912	J2021020301X	KTC3199-GR		NPN	
C 809	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 913	J2021020301X	KTC3199-GR		NPN	
C 814	J3515360270X	CERA/CHIP	СН	50V	36pF-J		Q 914	J2021020301X	KTC3199-GR		NPN	
C 815	J3515360270X	CERA/CHIP	СН	50V	36pF-J		Q 915	J2021020301X	KTC3199-GR		NPN	
C 817	J3515820270X	CERA/CHIP	СН	50V	82pF-J		Q 916	J2021020301X	KTC3199-GR		NPN	
C 822	J3525473170X	CERA/CHIP	В	50V	0.047uF-K		Q 917	J2021020301X	KTC3199-GR		NPN	
C 824	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 918	J2021020301X	KTC3199-GR		NPN	
C 826	J3525473170X	CERA/CHIP	В	50V	0.047uF-K		Q 919	J2021020301X	KTC3199-GR		NPN	
C 827	J3525473170X	CERA/CHIP	В	50V	0.047uF-K		Q 932	J2021020201X	KTC3198-BL		NPN	
C 828	J3525223170X	CERA/CHIP	В	50V	0.022uF-K		Q 933	J2021200401X	KRA104M		PNP	

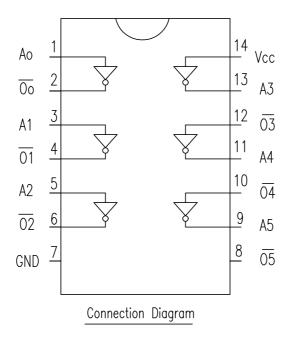
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	J2021220401X J2021200401X		NPN PNP			J3003103220X J3003470220X			10KW-J
	J2021200401X J2021200201X		PNP			J3003470220X J3003470220X			47W-J 47W-J
Q 930	J2021200201X	KKA 102W	FINE			J3003470220X J3003473220X			47 W-J 47KW-J
	DIODEs					J3003473220X			47KW-J
	J2221010100X	1SS133	SW.			J3003473220X			47KW-J
	J2221010100X		SW.			J3003473220X			47KW-J
	J2221010100X		SW.			J3003473220X			47KW-J
D 904	J2221010100X	1SS133	SW.		R 976	J3003100220X	1/8W		10W-J
D 905	J2221010100X	1SS133	SW.		R 977	J3003100220X	1/8W		10W-J
D 906	J2221010100X	1SS133	SW.		R 979	J3003473220X	1/8W		47KW-J
D 907	J2221010100X	1SS133	SW.		R 983	J3003103220X	1/8W		10KW-J
D 908	J2221010100X	1SS133	SW.		R 980	J3003479420X	1/4W		4R7W-J
D 909	J2221010100X	1SS133	SW.		R 981	J3003479420X	1/4W		4R7W-J
D 910	J2221010100X	1SS133	SW.		R 931	J3024221120X	1/10W	CHIP	220W-J
D 911	J2221010100X	1SS133	SW.		R 932	J3024221120X	1/10W	CHIP	220W-J
	J2221010100X		SW.			J3024474120X		CHIP	470KW-J
	J2221010100X		SW.			J3024474120X		CHIP	470KW-J
	J2221010100X		SW.			J3024223120X		CHIP	22KW-J
	J2221010100X		SW.			J3024223120X		CHIP	22KW-J
	J2221010100X		SW.			J3024223120X		CHIP	22KW-J
	J2221010100X		SW.			J3024223120X		CHIP	22KW-J
	J2221010100X		SW.			J3024103120X		CHIP	10KW-J
	J2221010100X		SW.			J3024103120X		CHIP	10KW-J
	J2221010100X J2221010100X		SW.			J3024470120X		CHIP	47W-J
	J2221010100X		SW. SW.			J3024470120X J3024473120X		CHIP	47W-J
	J2221010100X		SW.			J3024473120X J3024473120X		CHIP CHIP	47KW-J 47KW-J
	J2221010100X		SW.			J3024473120X J3024473120X		CHIP	47KW-J
	J2221010100X		SW.			J3024473120X		CHIP	47KW-J
0110	02221010100X	100100	OVV.			J3024473120X		CHIP	47KW-J
	BEADs					J3024101120X		CHIP	100W-J
		HF70BTL3.5*9R	AXIAL BEAD			J3024101120X		CHIP	100W-J
						J3024474120X		CHIP	470KW-J
	RESISTORs				R 961	J3024474120X	1/10W	CHIP	470KW-J
R 901	J3003471220X	1/8W	470W-J		R 962	J3024822120X	1/10W	CHIP	8K2W-J
R 902	J3003102220X	1/8W	1KW-J		R 963	J3024822120X	1/10W	CHIP	8K2W-J
R 904	J3003222220X	1/8W	2K2W-J		R 964	J3024123120X	1/10W	CHIP	12KW-J
R 905	J3003105220X	1/8W	1MW-J		R 965	J3024123120X	1/10W	CHIP	12KW-J
R 906	J3003103220X	1/8W	10KW-J						
	J3003103220X		10KW-J		RA 901	J3040473094X	RMNS-0	8-473ARRAY 9P	47KW-J
	J3003103220X		10KW-J					5-473ARRAY 6P	47KW-J
	J3003103220X		10KW-J		RA 903	J3040272114X	RMNS-1	0-27 2 ARRAY 11P	2K7W-J
	J3003104220X		100KW-J		\/5 000	100000101001			
	J3003104220X		100KW-J					7.5FS-L1B100K RO	
	J3003224220X		220KW-J					7.5FS-L1B100K RO	
	J3003224220X		220KW-J		VR 904	J3220810422X	GPVN17	7.5FS-L1Z100K RO	TARY VR.
	J3003473220X		47KW-J			CADACITODO			
	J3003473220X J3003473220X		47KW-J		C 004	CAPACITORs J3470122041X	FLEC	251/	22uE M
	J3003473220X J3003473220X		47KW-J 47KW-J			J3470122041X J3470122131X	_	25V 16V	22uF-M 220uF-M
	J3003473220X		47KW-J			J3470647971X		50V	4.7uF-M
	J3003473220X J3003331220X		330W-J			J3470647971X		50V	4.7uF-M 4.7uF-M
	J3003331220X		330W-J			J3470647971X		50V	4.7uF-M
	J3003224220X		220KW-J			J3470647971X		50V	4.7uF-M
	J3003224220X		220KW-J			J3470647971X		50V	4.7uF-M
	J3003750220X		75W-J			J3470647971X		50V	4.7uF-M
	J3003473220X		47KW-J			J3470647971X		50V	4.7uF-M
	J3003103220X		10KW-J			J3470647041X		25V	47uF-M
	J3003183220X		18KW-J			J3470647041X		25V	47uF-M
	J3003103220X		10KW-J				•	,	
R 944	J3003103220X	1/8W	10KW-J						
R 946	J3003103220X	1/8W	10KW-J						

REF NO.	PART NO.	DES	CRIPTION			REF NO.	PART NO.	DESCRIP	TION
C 901	J3514220270X	CERA/AX CH	50V	22pF-J		SW 904	J46500500002	SKHV10910A	2P TACT SW.
C 902	J3514220270X	CERA/AX CH	50V	22pF-J		SW 905	J46500500002	SKHV10910A	2P TACT SW.
C 903	J3524104540X	CERA/AX F	25V	0.1uF-Z		SW 906	J46500500002	SKHV10910A	2P TACT SW.
C 905	J3524104540X	CERA/AX F	25V	0.1uF-Z		SW 907	J46500500002	SKHV10910A	2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
	J3524471170X	-	50V	470pF-K			J46500500002		2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
	J3524102170X	-	50V	1000pF-K			J46500500002		2P TACT SW.
	J3524102170X J3524102170X		50V 50V	1000pF-K 1000pF-K			J46500500002 J46500500002		2P TACT SW. 2P TACT SW.
	J3524102170X J3524102170X		50V 50V	1000pF-K 1000pF-K			J46500500002 J46500500002		2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
	J3514121270X		50V	120pF-K			J46500500002		2P TACT SW.
	J3514121270X		50V	120pF-K		SW 919	J46500500002	SKHV10910A	2P TACT SW.
C 922	J3524104540X	CERA/AX F	25V	0.1uF-Z		SW 920	J46500500002	SKHV10910A	2P TACT SW.
C 954	J3514101270X	CERA/AX CH	50V	100pF-K		SW 921	J46500500002	SKHV10910A	2P TACT SW.
C 973	J3524104540X	CERA/AX F	25V	0.1uF-Z		SW 922	J46500500002	SKHV10910A	2P TACT SW.
	J3524152730X	-		1500pF-M I			J46500500002		2P TACT SW.
	J3524472730X			4700pF-M		-	J46500500002		2P TACT SW.
	J3524152730X	-		1500pF-M I			J46500500002		2P TACT SW.
	J3524472730X			4700pF-M	IB		J46500500002		2P TACT SW.
	J3524104540X		25V	0.1uF-Z			J46500500002		2P TACT SW.
C 980	J3524104540X	CERA/AX F	25V	0.1uF-Z			J46500500002		2P TACT SW.
C 047	12515470270V	CEDA/CUIE CUI	501/	47° E 1			J46500500002		2P TACT SW.
		CERA/CHIF CH	50V 50V	47pF-J 47pF-J			J46500500002 J46500500002		2P TACT SW. 2P TACT SW.
C 946	J3515470270X	CERA/CHIF CH	50 V	47 pr-3				EC16B24D0002ZZZ	ENCODER VR.
C 937	J3600223238X	FOIL POLY/RA	100V	0.022uF-J			J3913010035X		22pF X-TAL
		FOIL POLY/RA		0.022uF-J		7. 00 .		CASE,SHIELD(F);SP	•
		FOIL POLY/RA		0.022uF-J				CUSHION-FLT;SPON	
C 940	J3600223238X	FOIL POLY/RA	100V	0.022uF-J				·	
C 943	J3600182238X	FOIL POLY/RA	100V	1800pF-J			HEAD PHON	E P.C. BOARD	
C 944	J3600182238X	FOIL POLY/RA	100V	1800pF-J		JP 961	J4432210120X	HTJ-064-07BGGOLD	1P H/P JACK
								5P,1007#26/2547#26	•
C 906	J4433210421X	SCDA5R5104H	5.5V	0.1F				2P,1007#26,STRAIG	•
							J3524104540X	-	25V 0.1uF-Z
011.000	WAFERS		000			C 970	J3524104540X	CERA/AX F	25V 0.1uF-Z
	J4422113020X		30P	1.25mm			MAIN CW D	C BOARD	
	J4422112220X J4420040200X		22P 2P	1.25mm 2.5mm	!		MAIN SW. P.	SY-16-32-2(U99S2)/T	TVE JWED SW
	J4420040200X		2P	2.5mm	: !			SPARK-KILLER AC2	
W/(504	044200402007	0201 021C	21	2.011111	!		J4420060200X		7.92mm
	WIREs					0.1.000	0200002007	20020 02.0	
CN 907		8P,1007/2547#2	6*2C,430m	ı/m			STAND-BY S	W. P.C. BOARD	
		6P,1533#26,260					J46500500002		2P TACT SW.
CN 986	J43244244331	7P,1007#24,430	m/m			LED 901	J2332301011X	SPR-54MVWRED/GR	EEN LED
T 901	J43199011529	1P,1007#22,150	m/m			CN 903	J43254021041	2P,1007#26,100m/m	,ANGLE
T 902	J43199011529	1P,1007#22,150	m/m			CN 987	J43244034531	3P,1007#24,450m/m	
		1P,1007#22,150							
		1P,1007#22,150							
!		2P,1672#18,500		983<->SUB					
		FFC 320mm 1.25		TO DSP					
	J4112302801X	FFC 280mm 1.25	omm 30P	TO MAIN					
	MISCELLANIE	S							
FLT 901	J2352220011X			VFD					
		JK0300081G Y/	W/R 3P	RCA JACK					
		RPM6938-H4 38							
SW 901	J46500500002	SKHV10910A	2P	TACT SW.					
SW 902	J46500500002	SKHV10910A	2P	TACT SW.					
SW 903	J46500500002	SKHV10910A	2P	TACT SW.					

IC BLOCK DIAGRAM

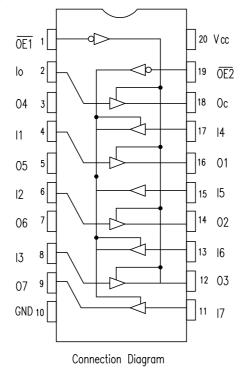
IC NAME: 74VHCU04MX (IC 719)

HEX INVERTER



IC NAME: 74VHCT244SJX (IC 707)

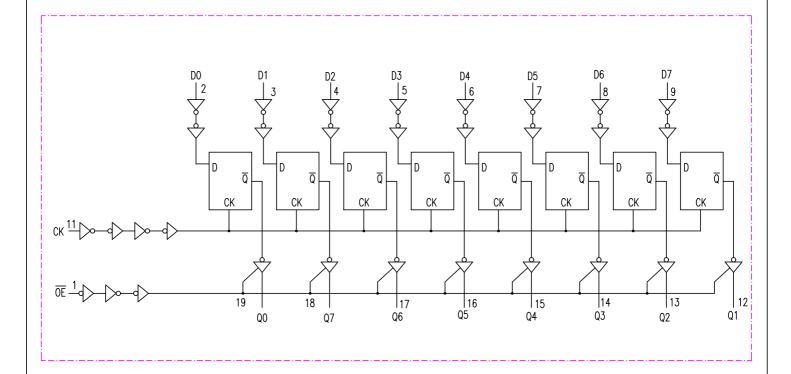
Octal Buffer/Line Driver with 3-STATE Outputs





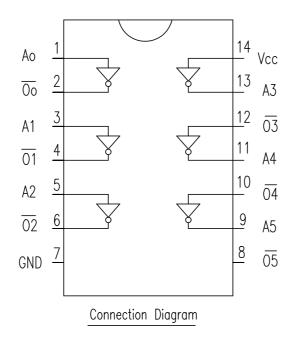
IC NAME : 74VHCT574A (IC 710, 711)

OCTAL D-TYPE FLIP-FLOP WITH 3-STATE OUTPUT



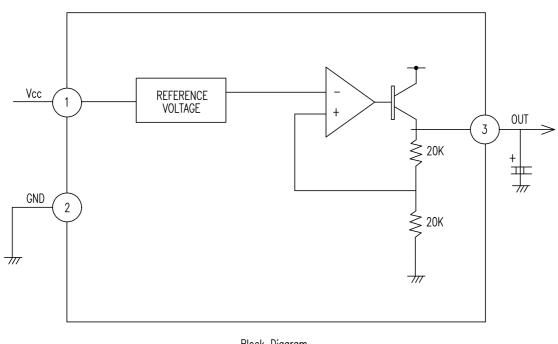
IC NAME: 74VHCU04MX (IC 719)

HEX INVERTER



IC NAME : BA033T (IC 720)

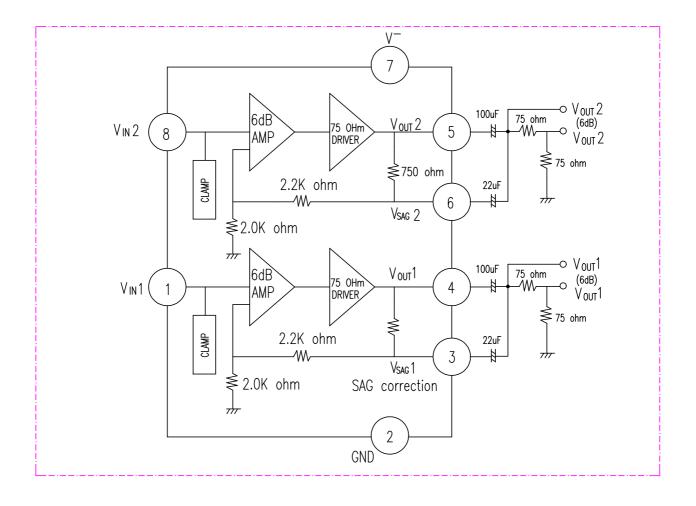
Low Saturation voltage type 3-Pin Regulator



Block Diagram

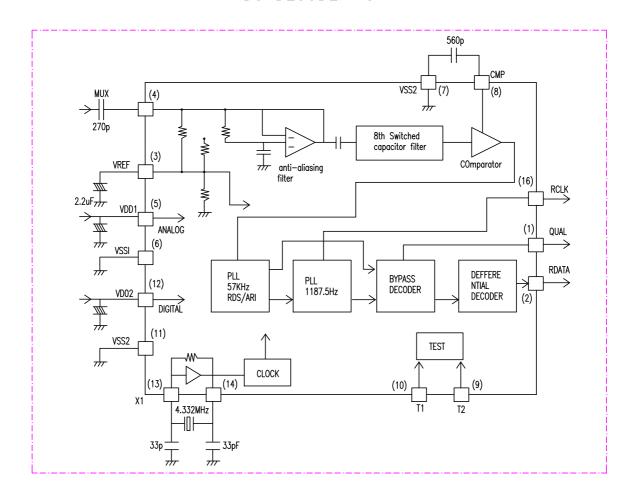
IC NAME : BA7522F (IC 355)

Low Saturation voltage type 3-Pin Regulator



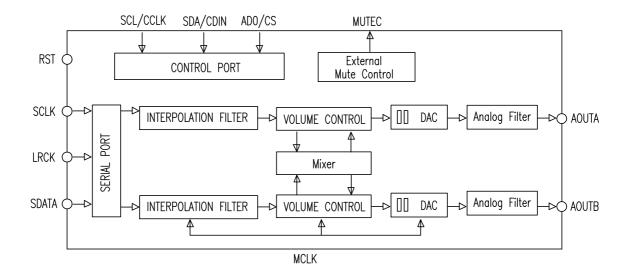
IC NAME : BU1923F (IC 804)

RDS DECODER IC



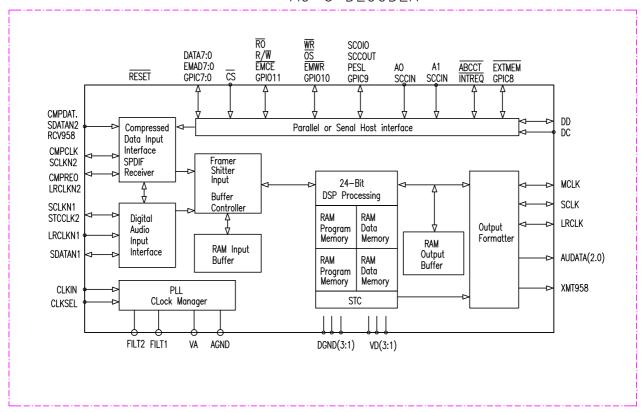
IC NAME: CS4341-KS (IC 713, 714, 715)

24-Bit, 96kHz Stereo DAC with Volume Control



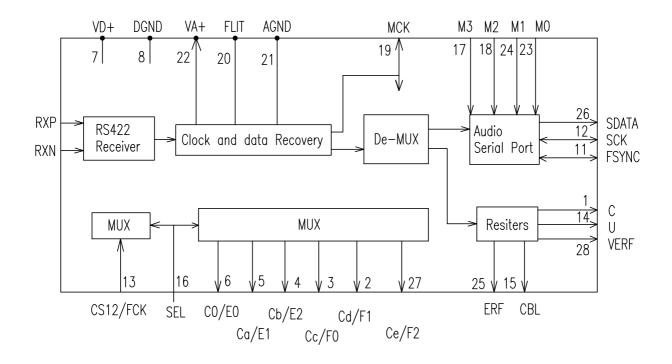
IC NAME: CS492604 (IC 708)

AC-3 DECODER



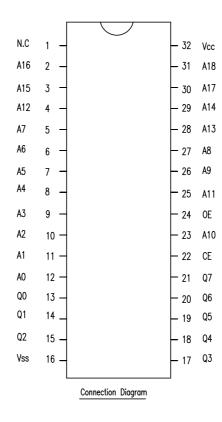
IC NAME : CS8414-CS (IC 706)

96kHz Digital Audio Receiver



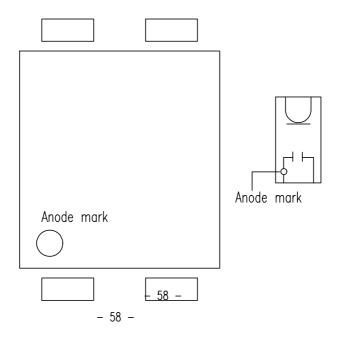
IC NAME: KM23C4000DG-8ROM-0001 (IC 709)

4M-BIT(512Kx8) CMOS MASK ROM



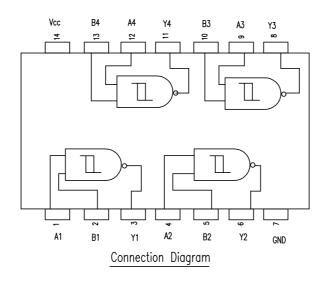
IC NAME: PC17TA (IC 1, 2)

PHOTO COUPLER



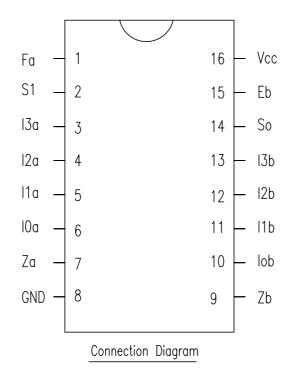
IC NAME : 74VHC132 (IC 3)

Quad 2-Input NAND Schmitt Trigger



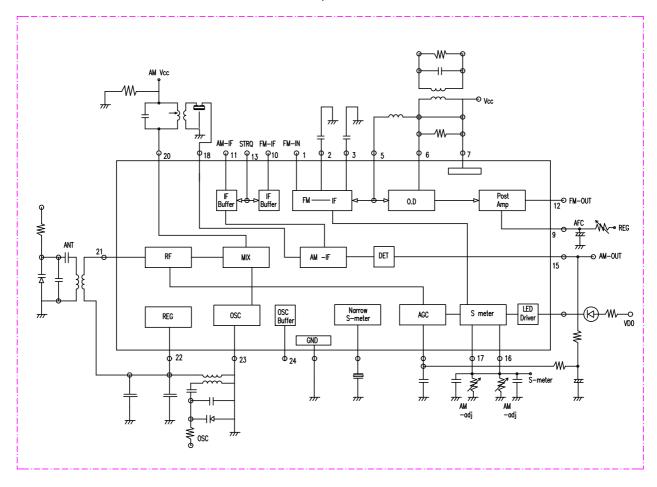
IC NAME: 74VHC135SJX (IC 704)

Dual 4-Input Multiplexer



IC NAME : LA1266 (IC801)

FM / AM IF IC



IC NAME : LA7951 (IC351,371,372)

VIDEO SWITCH IC

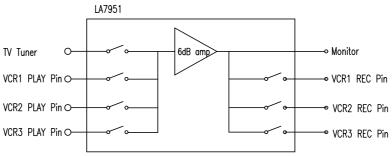


Figure 1. Editing System Switch Connections

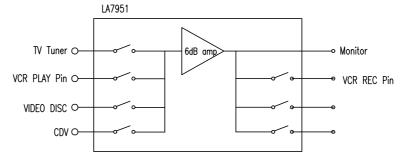
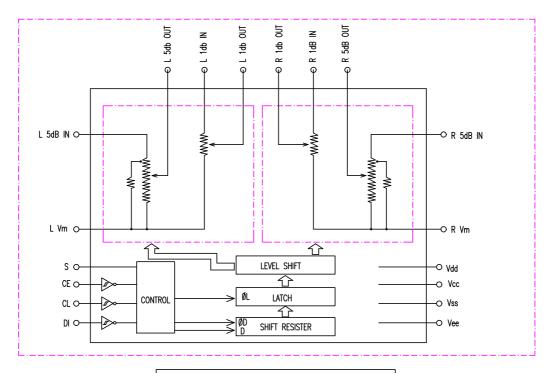


Figure 2. Video Selector Switch Connections

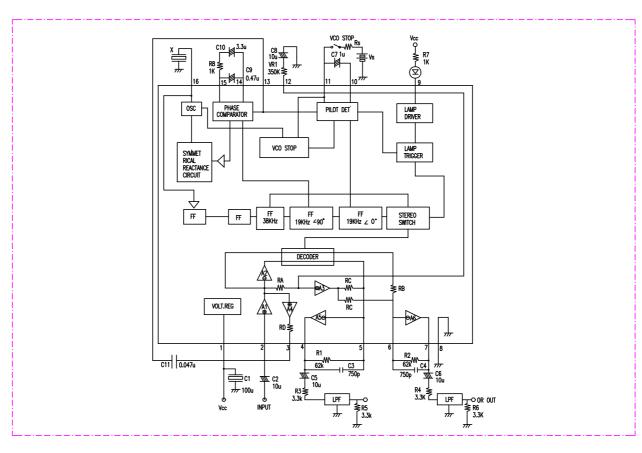
IC NAME: LA7536 (IC 106,109,114,117)

ELECTRONIC VOLUME CONTROL



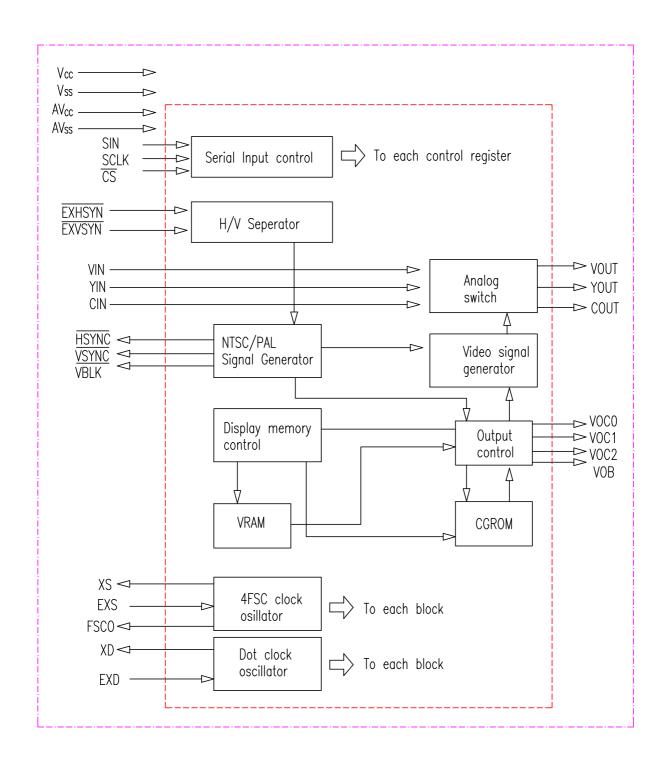
IC NAME: LA3410 (IC 803)

FM MPX DEMODULATOR



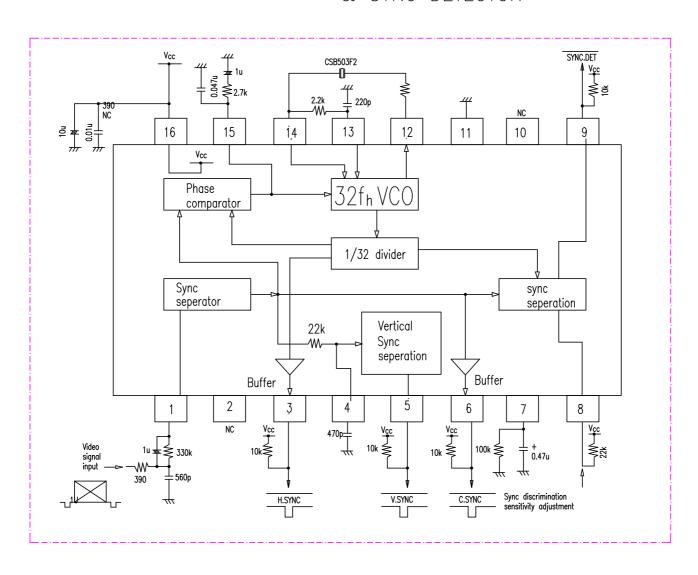
IC NAME: MB90089 (IC 354)

ON-SCREEN DISPLAY



IC NAME: MM1067 (IC 353)

NO-ADJUSTMENT SYNC SEPERATOR & SYNC DETECTOR

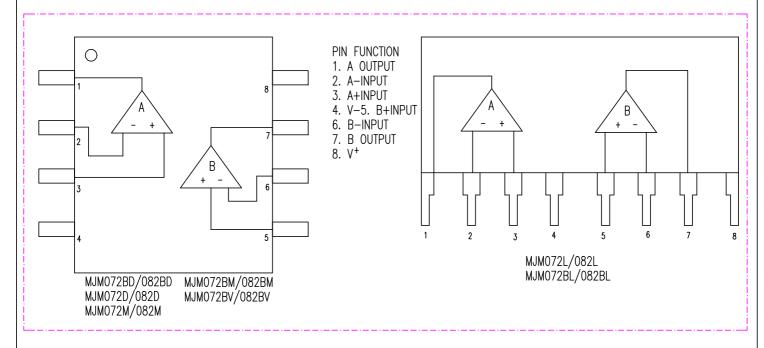


AVR 300

IC NAME: NJM 072M

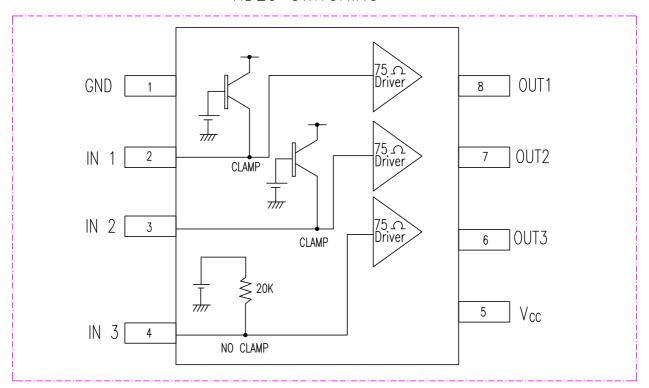
IC 701,702,716,717,718 IC 103,104,107,108,110,111,112,115,116

DUAL J-FET INPUT OP-AMP



IC NAME: NJM2267

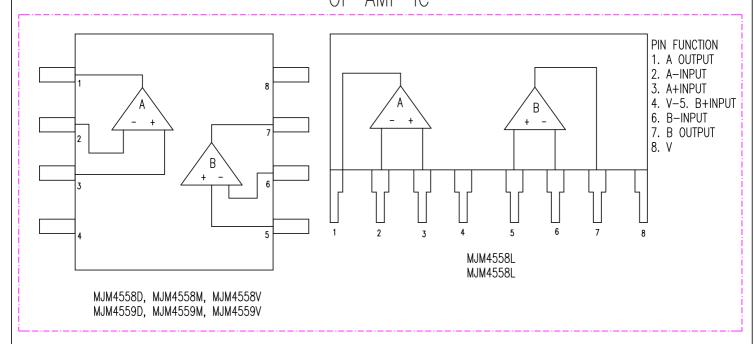
IC 118,119,120,121,122,123,124,2,722,723,724,725,902,903,904 VIDEO SWITCHING



AVR 300

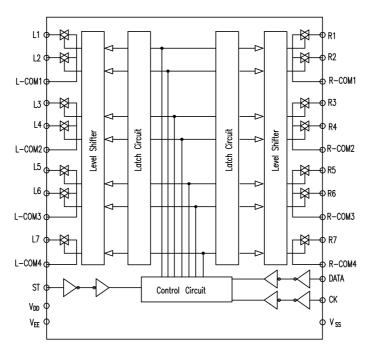
IC NAME: NJM4558M

IC 118,119,120,121,122,123,124,2,722,723 OP AMP IC



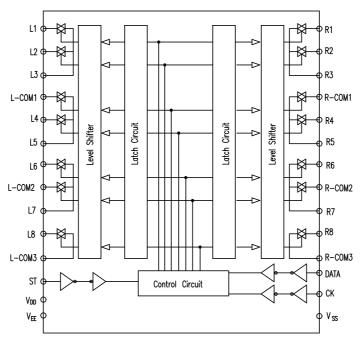
IC NAME: NJU7311AM (IC 105)

IC 105, 113 : NJU7311 ANALOG FUNCTION SW.



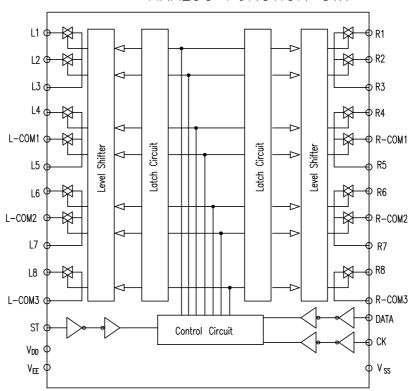
IC NAME: NJU7312AM (IC 101)

ANALOG FUNCTION SW.

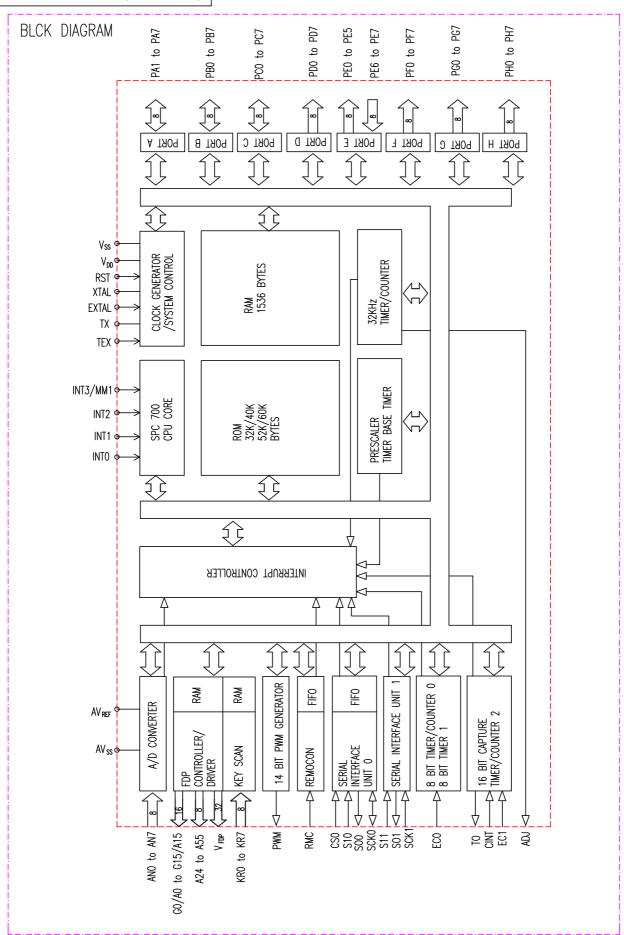


IC NAME: NJU7313AM (IC 102)

ANALOG FUNCTION SW.



CXP82860-180Q (MCU-0006) : IC901

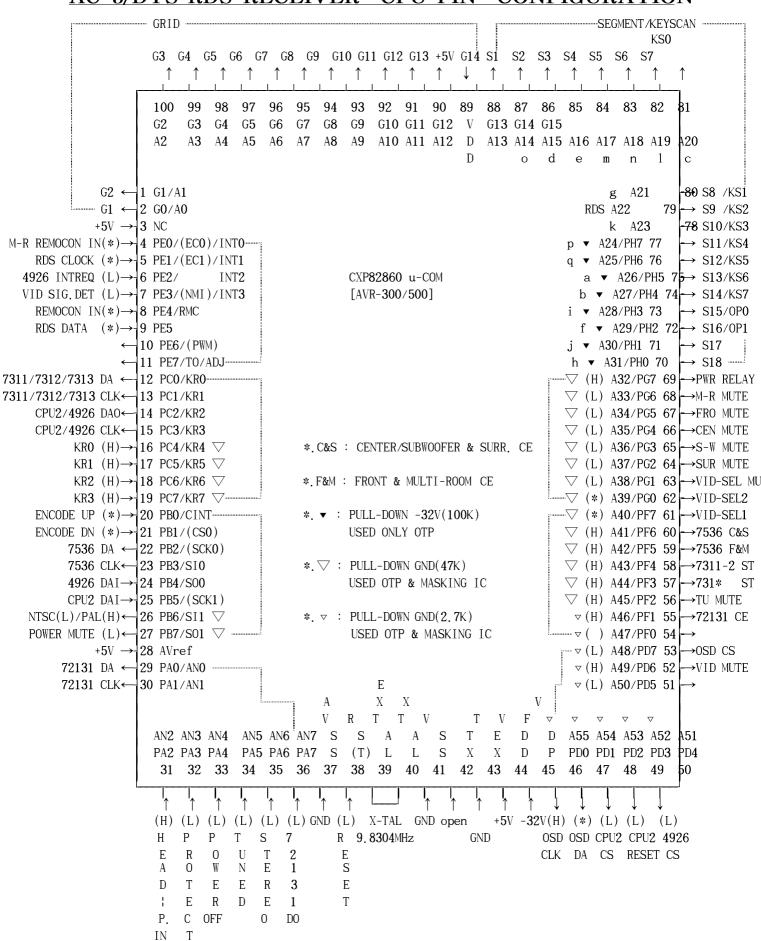


CXP82860-180Q-0006 : IC901

PIN DESCRIPTION

		3)——P02/A53 3)——P03/A52 5)——P04/A51
	97 96 95 94 93 92 91 90 89 88 87 86 85 84 (33 82 81
G1/A1 ← 1 G0/A0 ← 2		$ \begin{array}{c} (80) \longrightarrow A21 \\ (79) \longrightarrow A22 \end{array} $
NC <(3)		(78) → A23
PE0/EC0/INT0—►4		> PH7/A24
PE1/EC1/INT1—→5		76)—→ PH6/A25
PE2/INT2 ——▶6		(75)—→ PH5/A26
PE3/INT3/NM1—→7		74)——⊳PH4/A27
PE4/RMC —→8		73)—→ PH3/A28
PE5 —▶9		72)—→ PH2/A29
PE6/PWM → (10)		71)—→ PH1/A30
PE7/TC/ADJ ← 11		70 → PH0/A31
PC0/KR0 ←→(12) PC1/KR1 ←→(13)		(69) → PG7/A32 (68) → PG6/A33
PC2/KR2 ← ► (14)		(67)—→ PG5/A34
PC3/KR3 ← → (15)	PIN DESCRIPTION	66)—→ PG4/A35
PC4/KR4 ← → (16)		65)—→PG3/A36
PC5/KR5 ← → 17)		64)—→ PG2/A37
PC6/KR6 <>(18)		63)—→ PG1/A38
PC7/KR7 ← → (19)		(62) → PGO/A39
PSO/CINT ← 20		(61)—→ PF7/A40
PS1/CS0 ← → (21)		(60)—→ PF6/A41
PS2/SCK0 ←→22		(59)—→PF5/A42
PS3/S10 ← → (23)		(58) → PF4/A43
PB4/SC0 ← (24)		(57) → PF3/A44
PB5/SCK1 ← → 225 PS6/S11 ← → 26		(56)—→ PF2/A45 (55)—→ PF1/A46
PS7/S01 ← (27)		54 → PF0/A47
AV _{REF} —— (28)		(53)—→ P07/A48
PAO/ANO ← (29)		(52)—→ P06/A49
PA1/AN1 <>(30)		(51) → P05/A50
	34 35 36 37 38 39 40 41 42 43 44 45 46 47	48 49 50
	$egin{array}{cccccccccccccccccccccccccccccccccccc$	
62/R2 4- 63/A3 4- 64/A4 4-	65/45 ~~ 66/46 ~~ 66/46 ~~ 67/47 ~~ 68/48 ~~ 69/49 ~~ 610/410 ~~ 612/412 ~~ vbb ~~ vbb ~~ vbb ~~ c13/413 ~~ c15/415 ~~ s16 ~~ a16 ~~ a16 ~~ a17 ~~ a16 ~~ a17 ~~ a16 ~~ a17 ~~ a16 ~~ a17 ~~ a17 ~~ a16 ~~ a17 ~~ a16 ~~ a17 ~~ a17 ~~ a16 ~~ a17 ~~ a17 ~~ a17 ~~ a16 ~~ a17 ~~ a1	A18 - A20 -
9 9 9	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	

AC-3/DTS RDS RECEIVER CPU PIN CONFIGURATION



DOLBY CFG2(H), MEM ADDRESS-18/17/16, IN/OUT MUX CONTROL : CPU2(DSP BOARD u-COM)

1. KEY MATRIX

								(S7 74)
KR0 (16)—	O. TAPE	4. CD	8. DVD	C.VID1	10. VID2	14. VID3	18.6CHANNEL	1C. AM/FM
(10)								
KR1	TUNING 1DOWN	TUNING 5UP	PRESET 9. SCAN	PRESET DDOWN	PRESET 11UP	(RDS) 15. TUN. MODE	DOLBY 19. DIGITAL	DOLBY 1D. PROLOGIC
(17)—								
KR2 (18)—	DOLBY 2.3 STEREO		(300:HALL2) A.LOGIC7 CM	E. THEATER	12. DTS	SURR. 16. OFF	1A.MUTE	1E.
(10)—								
KR3 (19)—	3. SPEAKER	MULTI- 7. ROOM	DIG. B. SELECT	F. DELAY	13. DOWN	17. UP	1B. SET	1F. POWER
(10)								

2. DEFINE OPTION

	90 7 3)	P1 72)
KR0 (16)—	OPTION1	OPTION5
KR1 (17)—	OPTION2	
KR2	OPTION 3	OPTION6
(18) KR3 (19)	OPTION4	

1) OPTION1 : NOT USED

2) OPTION2(RDS) : LOW(OPEN) RDS FUNCTION HIGH(DIODE) NO RDS

3) OPTION4, OPTION3 (MODEL SELECT) :

OPTION4	OPTION3	MODEL
LOW	LOW	AVR-300-120V(AC-3 & DTS & HALL1/2)
LOW	HIGH	
HIGH	LOW	AVR-500(AC-3 & DTS & VMAx & LOGIC7)
HIGH	HIGH	

4) OPTION5(BAND) : LOW(OPEN) USA 87.5 \sim 108.0 , 520 \sim 1720

HIGH(DIODE) EUROPE $87.50 \sim 108.00$, $522 \sim 1611$

5) OPTION6(TV MODE) : LOW(OPEN) NTSC HIGH(DIODE) PAL

3. 1) FACTORY INTIAL: AM/FM & PROLOGIC & PUSH POWER ON

2) NTSC MODE : VIDEO3 & PUSH POWER ON3) PAL MODE : VIDEO2 & PUSH POWER ON

4.CS4926 PORT INITIAL

1) CS4926 : PIN4 WR PULL-DOWN(GND) PIN5 RD PULL-UP(+3.3V)

5. IN/OUT PORT DESCRIPTION

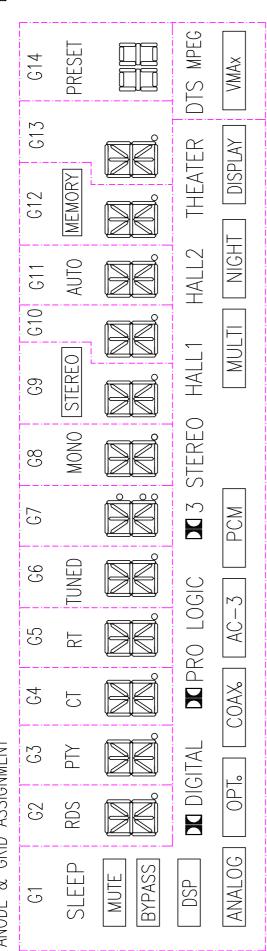
Pin No.	Description	IN/OUT	Active	FUNCTION	
1	GRID2	OUT	Н	VED CRID OUTDUT (LEV. 20V.)	
2	GRID1	OUT	Н	VFD GRID OUTPUT. (+5V \sim -32V)	
3	NC	IN	Н	+5V SUPPLY.	
4	M-R REMOCON INPUT	IN	*	REMOTE INPUT FROM EXTERNAL MULTI-ROOM REMOTE MODULE.	
5	RDS CLOCK	IN	*	RDS CLOCK INPUT. [ONLY RDS VERSION]	
6	CS4926 INTREQ	IN	L	SINGLE PULSE INPUT DURING OPTICAL/COAXIAL DIGITAL SELECTION.	
7	V I D E O SIGNAL DETECT	IN	L	ACTIVE WHEN VIDEO INPUT IS DETECTED FROM VIDEO FUNCTION. (DVD/VIDEO1/VIDEO2/VIDEO3)	
8	REMOCON IN	IN	*	INPUT FROM REMOTE SENSOR IN FRONT OR MULTI-ROOM REMOTE CONTROL.	
9	RDS DATA	IN	*	RDS DATA INPUT. [ONLY RDS VERSION]	
10	PE6	OUT	L	OPEN	
11	PE7	OUT	L		
12	7311/7312/ 7313 DATA	OUT	*	CONTROL SIGNAL OUTPUT WHILE SELECTING FUNCTION OR SURROUND MODE.	
13	7311/7312/ 7313 CLOCK	OUT	*	CONTROL STOWAL COTTOT WHILE SELECTING TONOTION ON SCHROOND WODE.	
14	CPU2/CS4926 DATA	OUT	*	CONTROL SIGNAL OF FUNCTION SELECTION, SURROUND MODE, SPEAKER MODE,	
15	CPU2/CS4926 CLOCK	OUT	*	CHANEL SELECTION, DIGITAL SELECT, DELAY TIME ADJUSTMENT ETC.	
16	KR0	IN	Н	HIGH PULSE INPUT WHILE ANY ONE FUNCTION FROM TAPE, CD, DVD, VIDEO1, VIDEO2, VIDEO3, 6-CHANNEL AND AM/FM KEY IS SELECTED.	
17	KR1	IN	Н	HIGH PULSE INPUT WHILE ANY KEY FROM TUNING-DOWN, TUNING-UP, PRESET SCAN, PRESET-DOWN, PRESET-UP, TUNING MODE(RDS), DOLBY DIGITAL AND DOLBY PROLOGIC IS SELECTED.	
18	KR2	IN	Н	HIGH PULSE INPUT WHILE ANY ONE KEY FROM THE DOLBY 3 STEREO, HALL1 (VMAx), HALL2(LOGIC 7C/M), THEATER, DTS, SURR OFF AND MUTE KEY IS SELECTED.	
19	KR3	IN	Н	HIGH PULSE INPUT WHILE ANY ONE KEY FROM THE SPEAKER MODE, MULTI-ROOM, DIGITAL SELECT, DELAY TIME, DOWN, UP, SET AND POWER KEY IS SELECTED.	
20	ENCODE UP	IN	*	PULSE INPUT WHEN MASTER VOLUME IN FRNT PANEL IS TURENED UP AND	
21	ENCODE DOWN	IN	*	DOWN. THERE IS 90° PHASE DIFFERENCE BETWEEN ENCODER UP AND DOWN.	
22	7536 DATA	OUT	*	CONTROL SIGNAL OUTPUT DURING TURING VOLUME.	
23	7536 CLOCK	OUT	*		
24	4926 DATA INPUT	IN	*	PULSE INPUT FROM DSP IC AT OPTICAL/COAXIAL DIGITAL SELECTION.	
25	CPU2 DATA INPUT	IN	*	PULSE INPUT FROM DSP BOARD CPU2(u-COM) AT OPTICAL/COAXIAL DIGITAL SELECTION.	
26	NTSC/PAL SELECT	OUT	L/H	LOW AT NTSC MODE HIGH AT PAL MODE	
27	POWER MUTE	OUT	L	PULSE OUTPUT WHILE FUNCTION OR SURROUND MODE IS SELECTED AT POWER-ON OR HEAD PHONE JACK IN STATUS.	

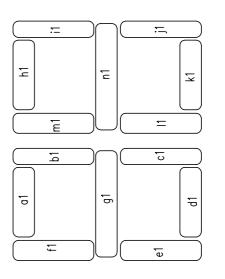
Pin No.	Description	IN/OUT	Active	Function
28	AVref	IN	Н	+5V SUPPLY
29	72131 DATA	OUT	*	CONTROL SIGAL OF FREQUENCY SELECTION AT TUNER FUNCTION EXAMPLE, TUNING-UP/DOWN, PRESET-UP/DOWN, DIRECT PRESET NUMBER,
30	72131 CLOCK	OUT	*	AND DIRECT FREQUENCY
31	HEAD-PHONE INPUT	IN	Н	HIGH WHILE HEAD-PHONE JACK IS INSERTED.
32	PROTECT	IN	L	LOW INPUT AT PROTECTION MODE. THIS CAN BE RESET BY POWER ON AGAIN AFTER TAKING OFF PROTECTION PROBLEMS.
33	POWER OFF	IN	L	LOW INPUT WHILE DETECTING POWER OFF
34	TUNED	IN	L	LOW INPUT WHEN STATION IS TUNED.
35	STEREO	IN	L	LOW WHEN THE TUNER RECEPTION IS STEREO.
36	72131 DO	IN	*	PULSE INPUT WHEN AUTO-TUNING MODE.
37	AVSS	IN	L	GND.
38	RESET	IN	L	LOW PULSE INPUT AT THE MOMENT OF POWER ON AND OFF. BACKUP IS ACTIVATED ONLY WHEN THIS PORT IS HIGH AT POWER OFF ("POWER OFF" PORT IS LOW).
39	EXTAL	IN	*	u-COM X-TAL INPUT.(9.8304MHz)
40	XTAL	IN	*	a com A TAE Tract, (c. coo Intel)
41	VSS	IN	L	GND.
42	TX	IN	open	OPEN
43	TEX	IN	L	GND.
44	VDD	IN	Н	+5V POWER SUPPLY. BACKUP IS ACTIVATED WHEN THIS PORT IS HIGH AT POWER OFF (POWER OFF PORT IS LOW).
45	VFDP	IN	-32V	-32V POWER SUPPLY TO VFD
46	MB90089 OSD CLOCK	OUT	*	OSD CONTROL SIGNAL OUTPUT
47	MB90089 OSD DATA	OUT	*	OSD CONTROL STONAL OCTIVI
48	CPU2 CS	OUT	L	LOW PULE OUT WHILE ANY ONE FROM POWER, FUNCTION, SURROUND MODE, SPEAKER MODE, CHANNEL, DIGITAL SELECT AND DELAY TIME IS SELECTED. IT IS CHIP SELECTION PORT OF CPU2(DSP BOARD u-COM)
49	CPU2 RESET	OUT	L	LOW PULE OUTPUT AT POWER ON.
50	CS4926 CS	OUT	L	LOW PULE OUT WHILE ANY ONE FROM POWER, FUNCTION, SURROUND MODE, SPEAKER MODE, CHANNEL, DIGITAL SELECT AND DELAY TIME IS SELECTED. IT IS CHIP SELECTION PORT OF CS4926(DSP)
51	PD5	OUT	L	OPEN
52	VID MUTE	OUT	Н	KEEP HIGH LEVEL FOR 4 SECONDS AT POWER-ON.
53	OSD CS	OUT	L	CONTROL SIGNAL OUTPUT FOR OSD IC.
54	PF0	OUT	L	OPEN
55	72131 CE	OUT	Н	CONTROL SIGNAL OUTPUT WHILE THE FREQUENCY IS CHANGED AT TUNER FUNCTION. IT IS CHIP ENABLE PORT CONTROL OF LC72131

Pin No.	Description	IN/OUT	Active	Function
56	TUNER MUTE	OUT	Н	HIGH PULSE OUT WHILE THE FREQUENCY IS CHANGED AT TUNER FUNCTION.
57	731* ST	OUT	Н	STROBE(ENABLE) TO 7311-1, 7312, 7313
58	7311-2 ST	OUT	Н	STROBE(ENABLE) TO 7311-2
59	7536 F&M	OUT	Н	CHIP ENABLE OF FRONT L/R, MULTI-ROOM L/R VOLUME. HIGH PULSE OUTPUT AT VOLUME ADJUSTMENT.
60	7536 C&S	OUT	Н	CHIP ENABLE OF CENTER, SUBWOOFER, SURROUND L/R VOLUME. WHEN CONTROL THE VOLUME, IT WILL BE HIGH PULSE OUTPUT.
61	VID-SEL1	OUT	H/L	SEL2 SEL1 VIDEO FUNCTION LOW LOW VIDEO3 LOW HIGH VIDEO2
62	VID-SEL2	OUT	H/L	HIGH LOW DVD HIGH HIGH VIDEO1
63	VID-SEL MU	OUT	L	LOW PULSE OUT AT SELECTING VIDEO FUNCTION.
64	SURROUND MUTE	OUT	L	LOW PULSE OUT AT SELECTING POWER, FUNCTION, SURROUND MODE, SPEAKER MODE AND DIGITAL SELECT. BUT LOW OUTPUT AT SELECTING SURROUND SPEAKER MODE "NONE".
65	SUBWOOFER MUTE	OUT	L	LOW PULSE OUT AT SELECTING POWER, FUNCTION, SURROUND MODE, SPEAKER MODE AND DIGITAL SELECT. BUT LOW OUTPUT AT SELECTING SUB-WOOFER MODE "OFF".
66	CENTER MUTE	OUT	L	LOW PULSE OUT AT SELECTING POWER, FUNCTION, SURROUND MODE, SPEAKER MODE AND DIGITAL SELECT. BUT LOW OUTPUT AT SELECTING CENTER SPEAKER MODE "NONE".
67	FRONT MUTE	OUT	L	LOW PULSE OUT AT SELECTING POWER, FUNCTION, SURROUND MODE, SPEAKER MODE AND DIGITAL SELECT. BUT LOW OUTPUT AT MUTE OR VOLUME LEVEL IS -64dB.
68	MULTI-ROOM MUTE	OUT	L	LOW PULSE OUT AT SELECTING MULTI-ROOM ON/OFF, MULTI-ROOM FUNCTION. BUT LOW OUTPUT AT MULTI-ROOM OR MULTI-ROOM LEVEL IS -64dB.
69	POWER RELAY	OUT	Н	HIGH OUTPUT AT STANDBY POWER SWITCH ON.
70	SEG18	OUT	Н	DULCE OUTDUT FOR VED OFOUD TO (.EV
71	SEG17	OUT	Н	PULSE OUTPUT FOR VFD SEGMENT. (+5V \sim -32V)
72	SEG16/ OPTION1	OUT	Н	HIGH PULSE OUT FOR CHECKING SYSTEM OPTION AT POWER ON, AND
73	SEG15/ OPTIONO	OUT	Н	HIGH PULSE FOR VFD SEGMENT.(+5V \sim -32V)
74	SEG14/KS7	OUT	Н	
75	SEG13/KS6	OUT	Н	
76	SEG12/KS5	OUT	Н	
77	SEG11/KS4	OUT	Н	DUI CE OUTDUT FOR MEN COMMAND AND AND AND AND AND AND AND AND AND
78	SEG10/KS3	OUT	Н	PULSE OUTPUT FOR KEY SCAN AND VFD SEGMENT. (+5V \sim -32V)
79	SEG9/KS2	OUT	Н	
80	SEG8/KS1	OUT	Н	
81	SEG7/KS0	OUT	Н	
82	SEG6	OUT	Н	
83	SEG5	OUT	Н	PULSE OUTPUT FOR VFD SEGMENT.($+5\mathrm{V} \sim -32\mathrm{V}$)
84	SEG4	OUT	Н	

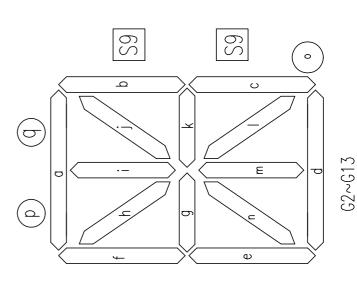
Pin No.	Description	IN/OUT	Active	Function
85	SEG3	OUT	Н	
86	SEG2	OUT	Н	PULSE OUTPUT FOR VFD SEGMENT.(+5V \sim -32V)
87	SEG1	OUT	Н	
88	GRID14	OUT	Н	VFD GRID SUPPLY. (+5V ∼ -32V)
89	VDD	OUT	Н	+5V POWER SUPPLY. HIGH OUT FOR BACKUP AT POWER OFF(POWER OFF PORT IS LOW).
90	GRID13	OUT	Н	VFD GRID OUTPUT. (+5V ∼ -32V)
91	GRID12	OUT	Н	+5V GRID14
92	GRID11	OUT	Н	GND -
93	GRID10	OUT	Н	-32V — GRID13
94	GRID9	OUT	Н	GND GNTD13
95	GRID8	OUT	Н	-32V
96	GRID7	OUT	Н	
97	GRID6	OUT	Н	
98	GRID5	OUT	Н	+5V
99	GRID4	OUT	Н	GND
100	GRID 3	OUT	Н	-32V

TYPE: CM1684C ANODE & GRID ASSIGNMENT





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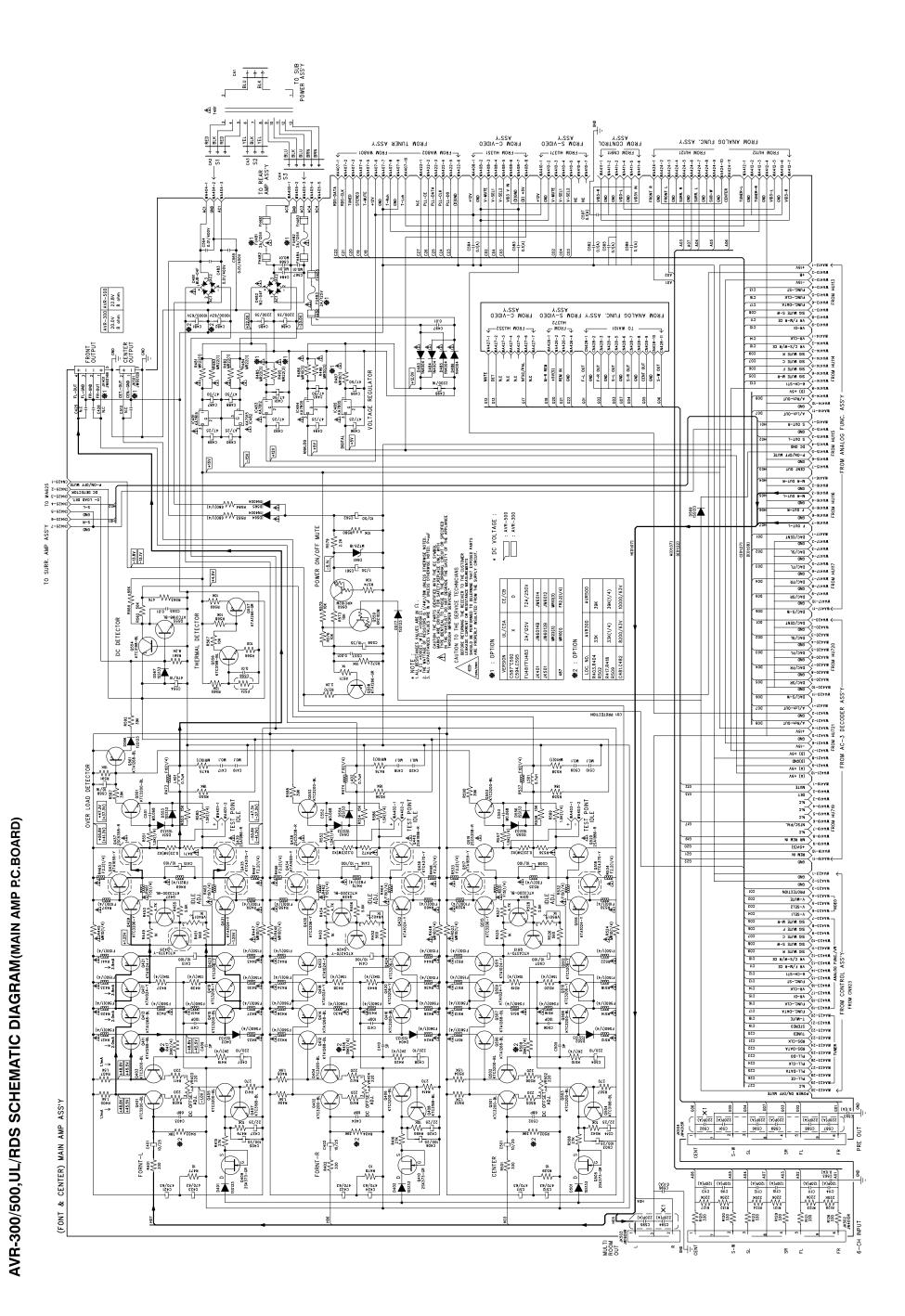
TYPECM1684C ANODE& GRIDASIGNMENT

ANO	ANODE& GRIDASIGNMENT	NMENT				_			-					
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14
S1	THEATER	0	0	0	0	0	0	0	0	0	0	0	0	MPEG
S2	HALL2	р	р	р	p	p	p	p	р	р	p	р	p	DTS
S3	HALL1	Ә	Э	θ	Ө	Ф	Ө	Ө	Ф	Э	Ө	Ө	Ө	7
S4	3-STEREO	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	d1
SS	PID LOGIC	u	u	u	u	u	u	u	Ľ	u	u	u	u	e1
98	DIGITAL	· -			ļ	į.		.	-	į	į	ļ	ļ	c1
S7	DISPL#	0	O	O	O	O	O	ပ	O	၁	O	O	O	1
S8	NIGHT	б	D	б	ð	D	D	б	D	D	б	б	ð	11
83	MULTI	SOA	PTY	CT	RT	TUNED		MONO	STEREO		AUTO	MEMORY		VMAX
S10	PCM	У	х	У	k	メ	Х	Х	ㅗ	ᅩ	K	Х	k	g1
S11	SLEEP	d	d	d	d	d	р	d	d	d	d	d	d	PRESET
S12	MUTE	b	b	b	b	b	d	b	b	b	b	b	b	a1
S13	BYPASS	а	я	в	а	а	а	а	В	а	а	а	а	h1
S14	- DSP	q	q	q	q	q	q	q	q	q	q	q	q	Ë
S15	ALAIDG			.	.	·		-	-	·	İ	į	.	m1
S16	1 OPT	J	-	ţ	ţ	+	+	+	+	+	ţ	+	ţ	Ħ
S17	COAX	·	-	ĺ	j	j	j	j	-	j	j	ĺ	j	p1
S18	AC3	Ч	Ч	h	h	Ч	h	h	4	4	h	Ч	h	n1
2														

PINASSIGNMENT

34	S1	55	F2
19~33	NL	54	F2
19~	2	53	NP
18	G14	52	NF
17	G13	51	S18
16	G12	20	S17
15	G11	49	S16
14	G10	48	S15
13	65	47	S14
12	68	46	S13
11	G7	45	S12
10	95	44	S11
6	G5	43	S10
8	G4	42	G4
7	63	41	88
9	G2	40	S7
5	G1	39	98
4	N	38	S5
3	NP	37	84
2	FI	36	S3
-	F1	35	S2
PinNo.	Assignment	PinNo.	Assignment

F1, F2: FilamentG1~G14: Grid S1~S18: Anode NL: No Lead NP: No Pin



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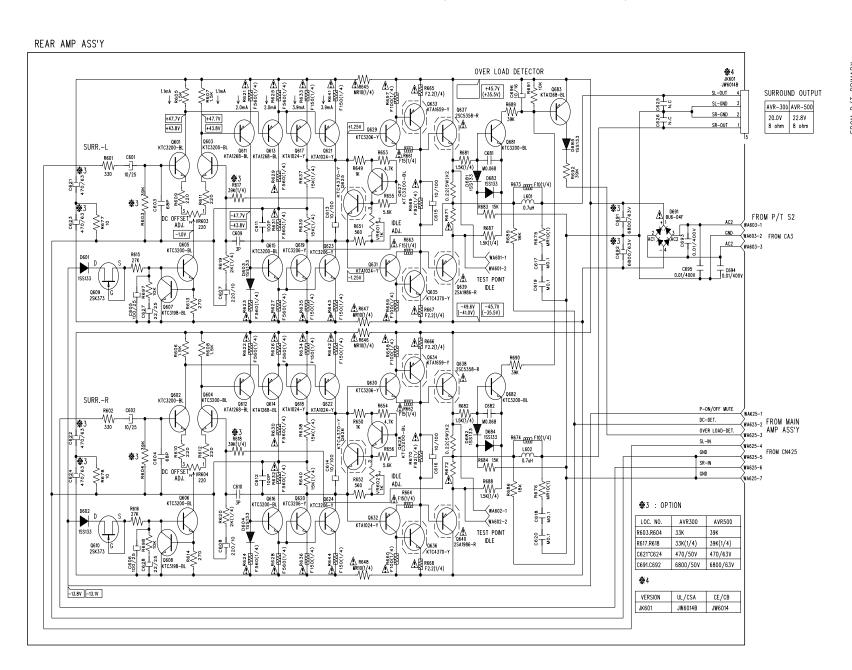
AVR 300

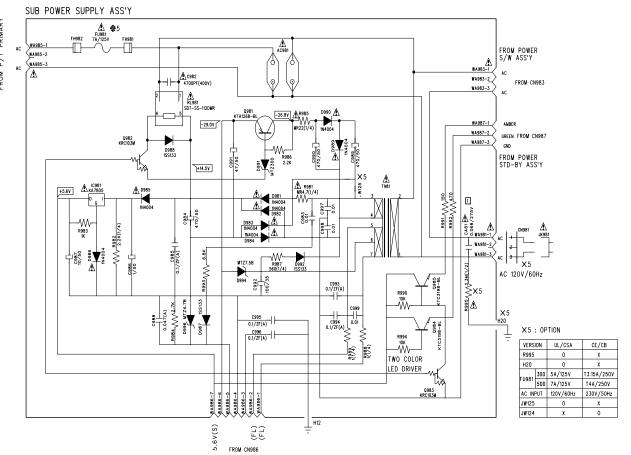
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AVR-300/500, UL/RDS SCHEMATIC DIAGRAM (C-VIDEO, S-VIDEO P.C.BOARD) S-VIDEO ASS'Y VERSION UL/CSA CE/CB C3,C4 X O 355 C319 0.1(A) 47/25 25.5 15.0 1 150 A C321 0.1(A) IN STATE OF THE PROPERTY OF TH MR REM +5.6V(S) REM IN GND COMPOSITE VIDEO ASS'Y 85 ≷ ≈ C362 0.1(A) C363 47/25 TV MONITOR 124.3188MHz 124.3188MHz 127.734.475MHz 127.734.475MHz 127.734.475MHz 127.734.475MHz 127.734.475MHz TO MAIN AMP ASS!Y Y HU35!-1-4 HU35!-1-5 HU35!-1-1 HU35!-1-1 HU35!-1-1 HU35!-1-1 HU35!-1-1 HU35!-1-1 HU35!-1-1 HU35!-1 FROM WA427 FROM DSP ASS'Y OLK CLK DET

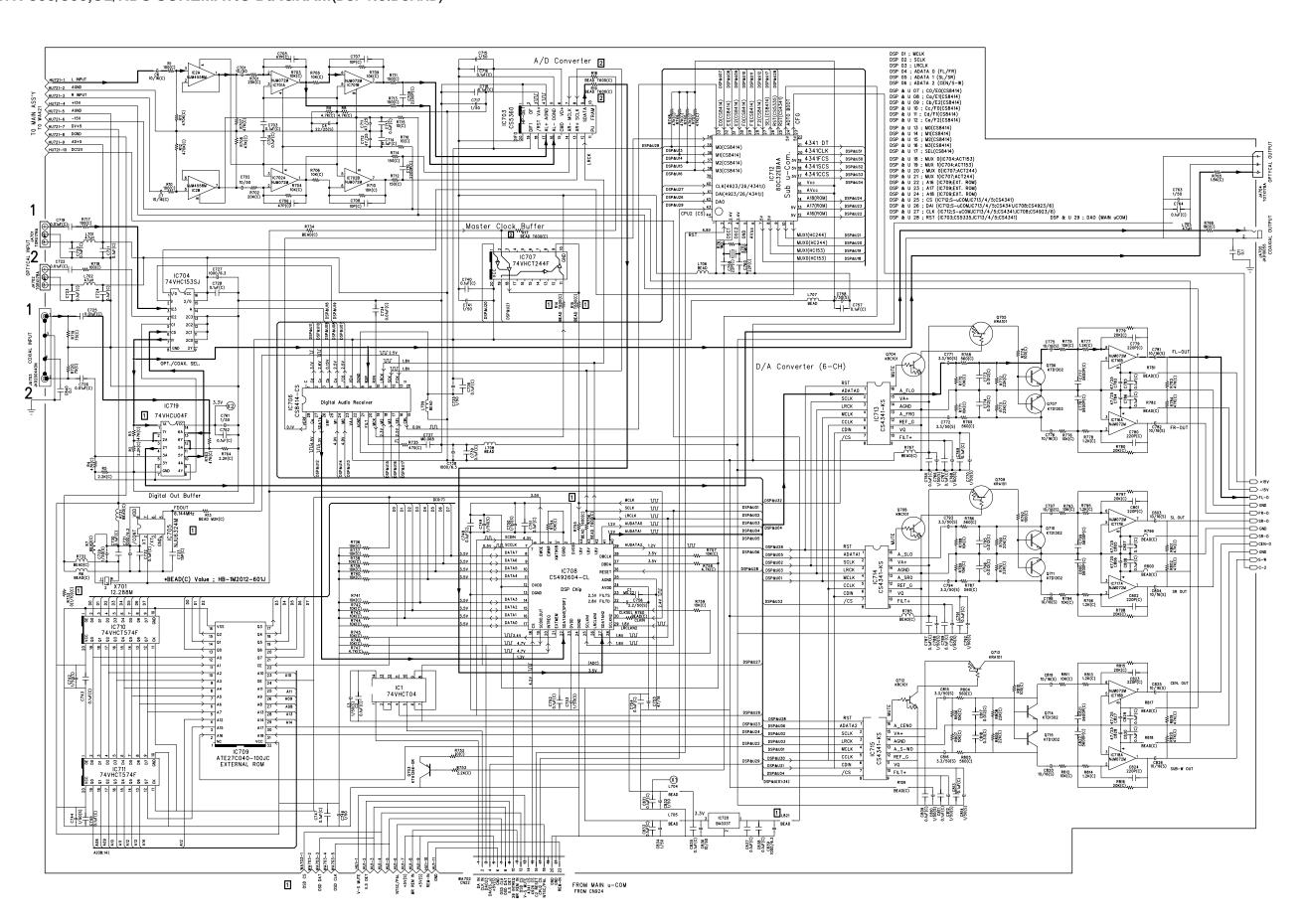
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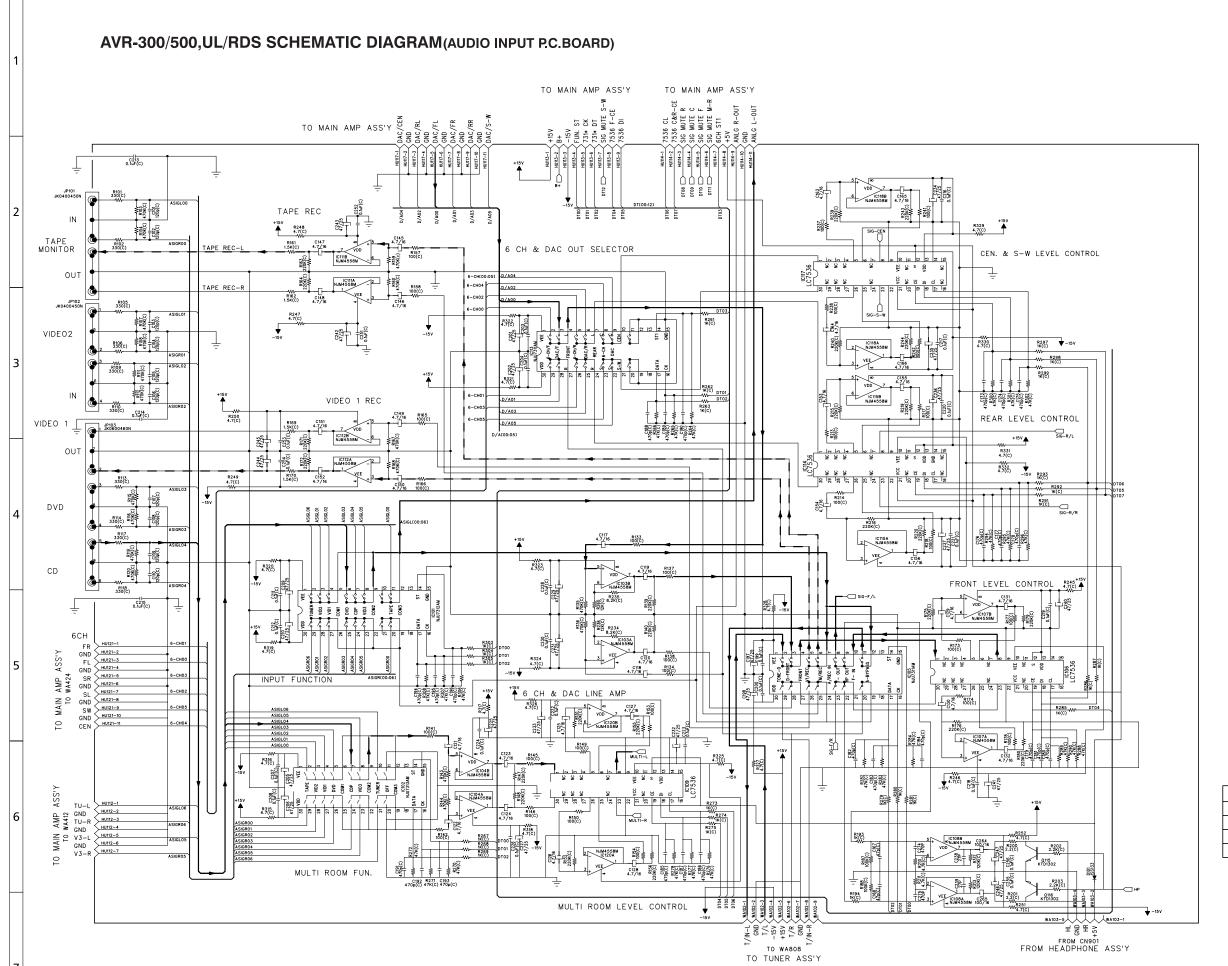
AVR-300/500, UL/RDS SCHEMATIC DIAGRAM (REAR AMP, SUB P.C. BOARD)



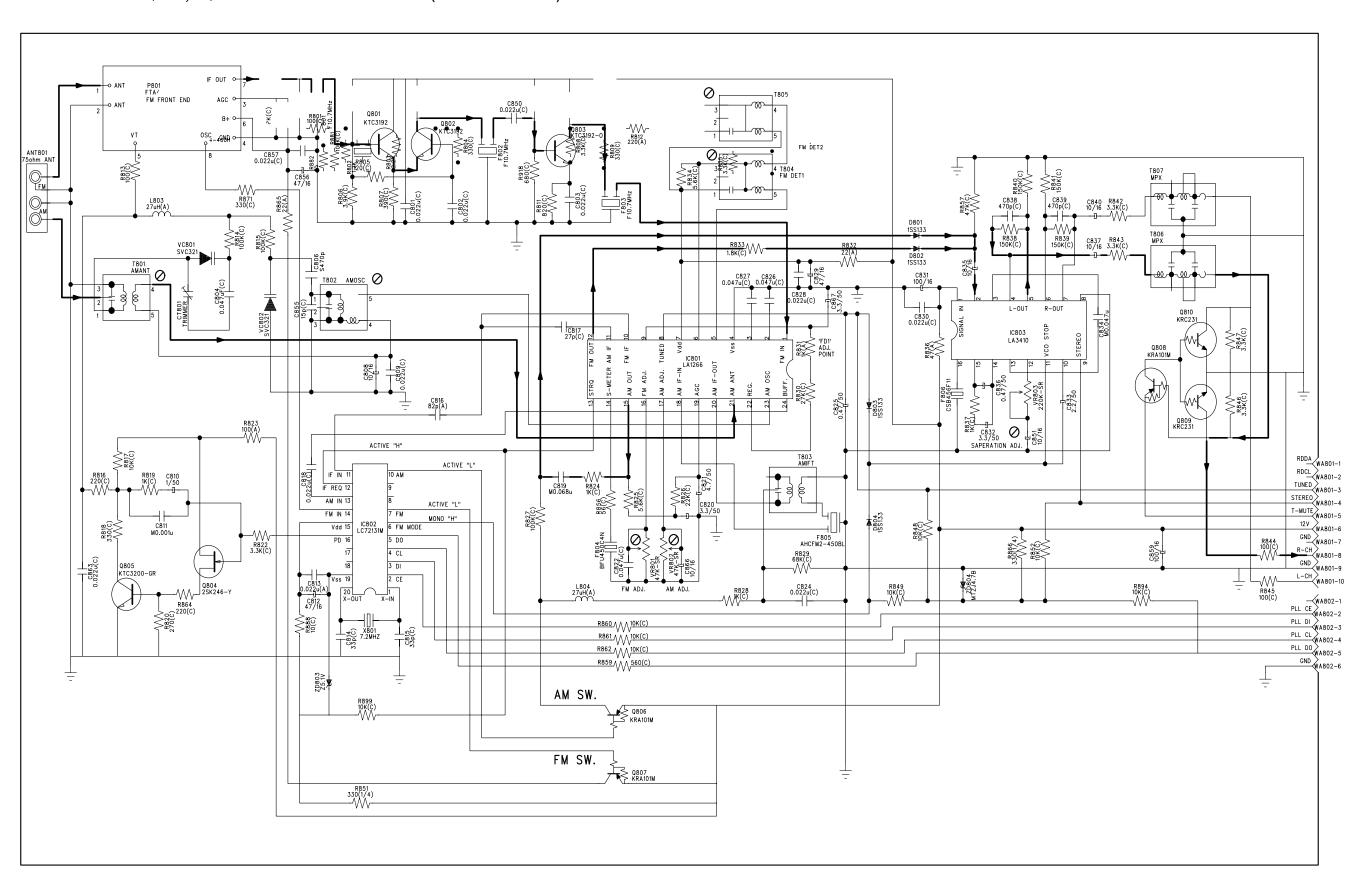


AVR-300/500, UL/RDS SCHEMATIC DIAGRAM (DSP P.C.BOARD)



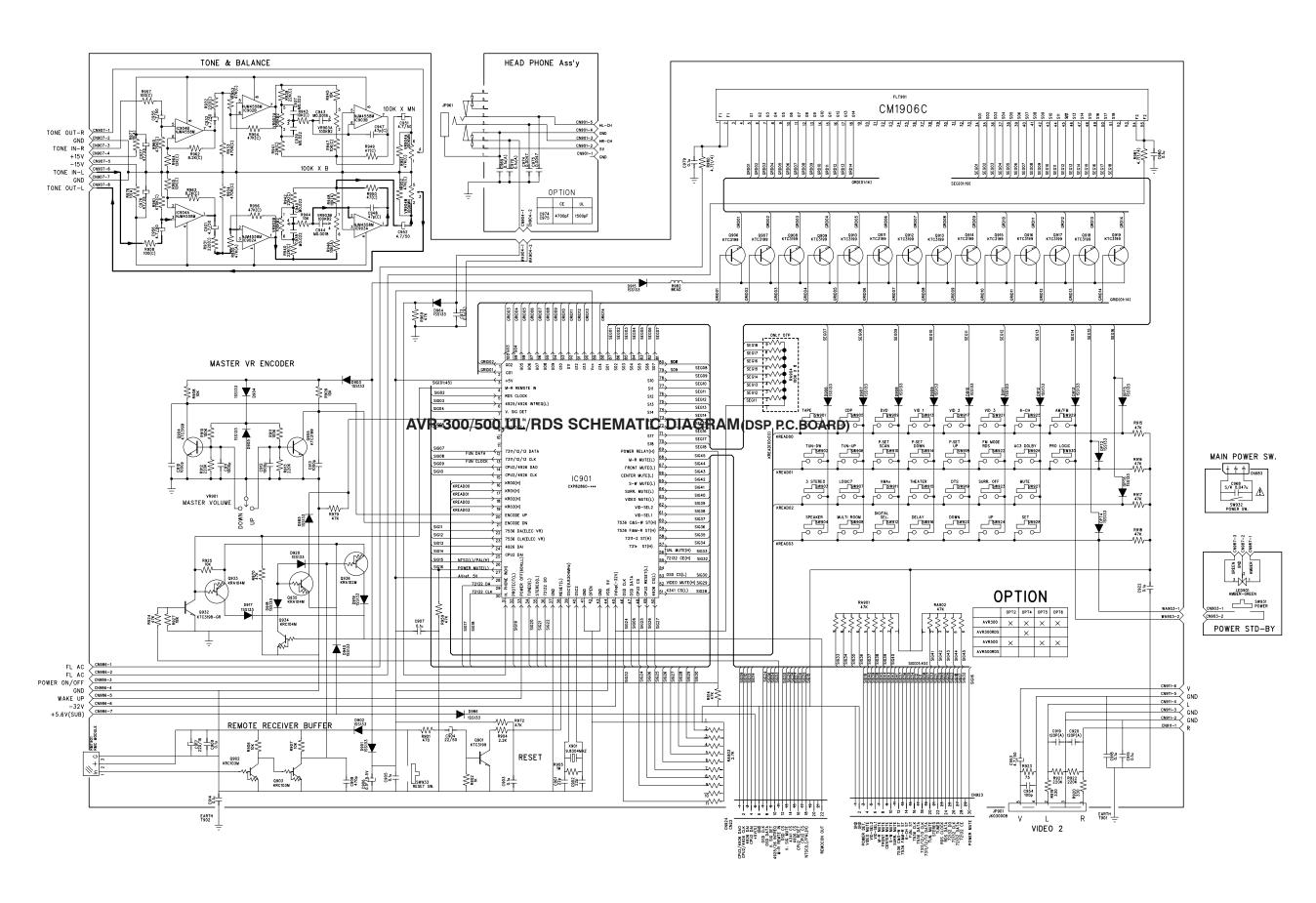


AVR-300/500,UL/RDS SCHEMATIC DIAGRAM(TUNER P.C.BOARD)

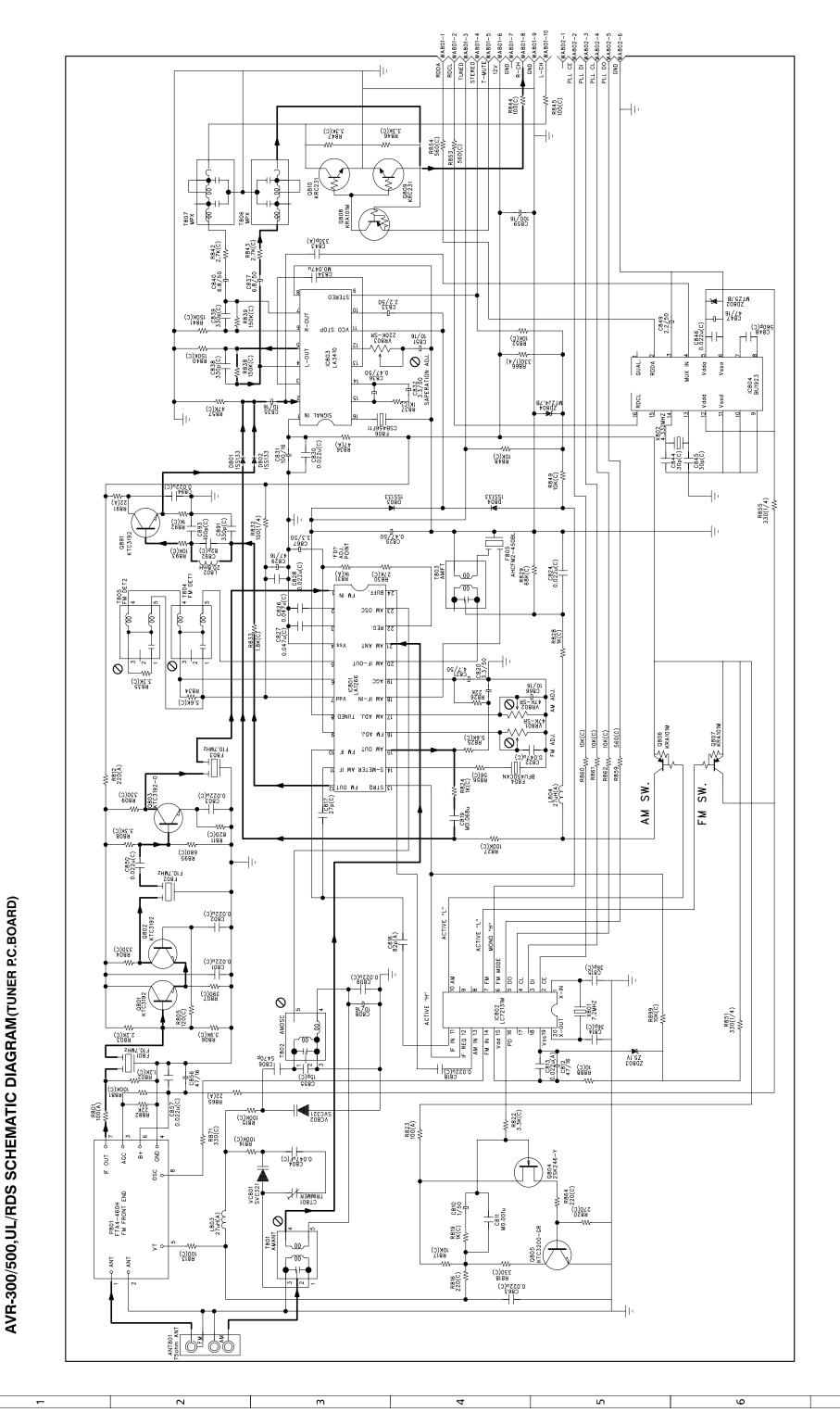


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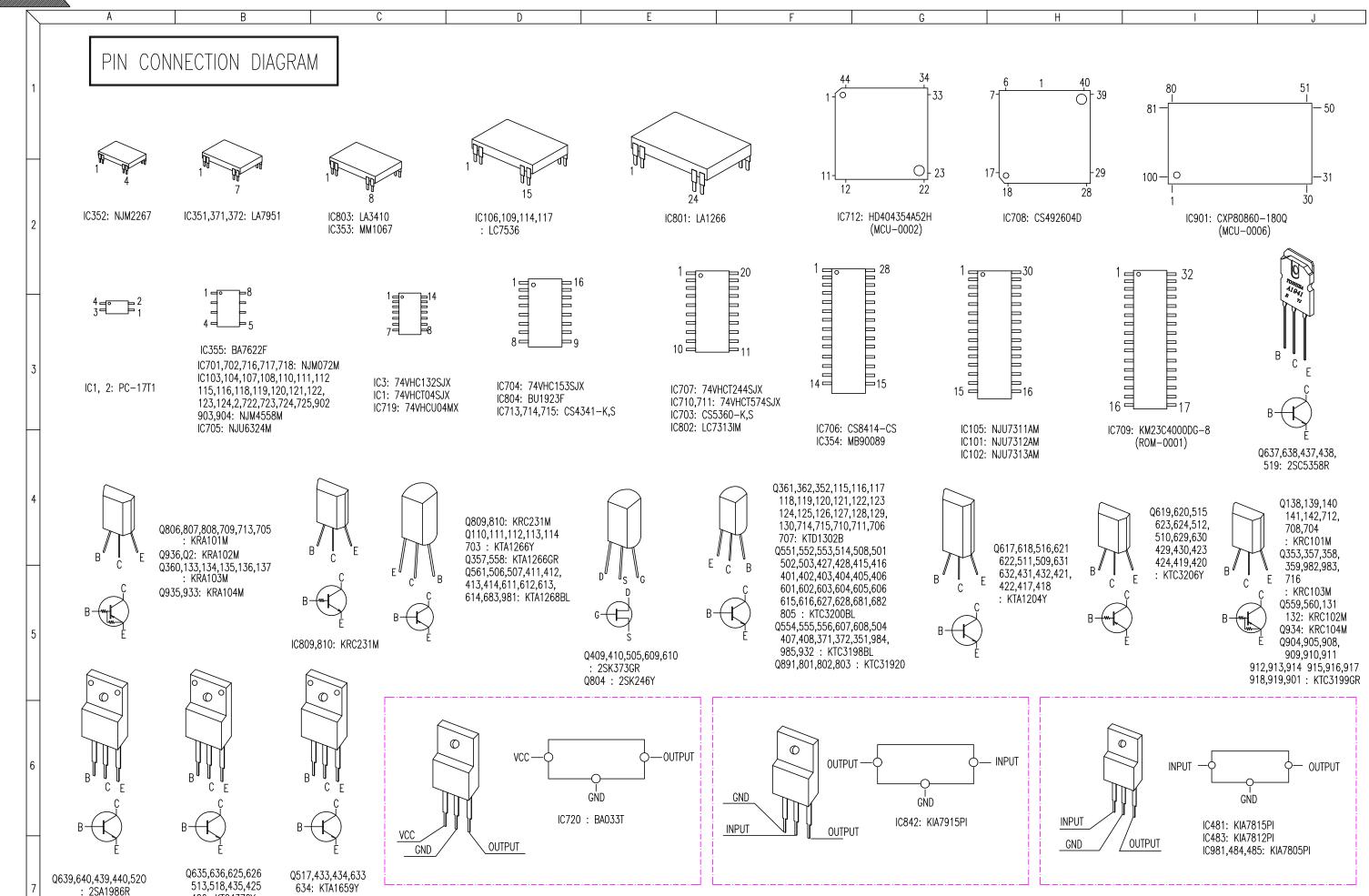
AVR-300/500,UL/RDS SCHEMATIC DIAGRAM(U-COM,FLT, FRONT P.C.BOARD)



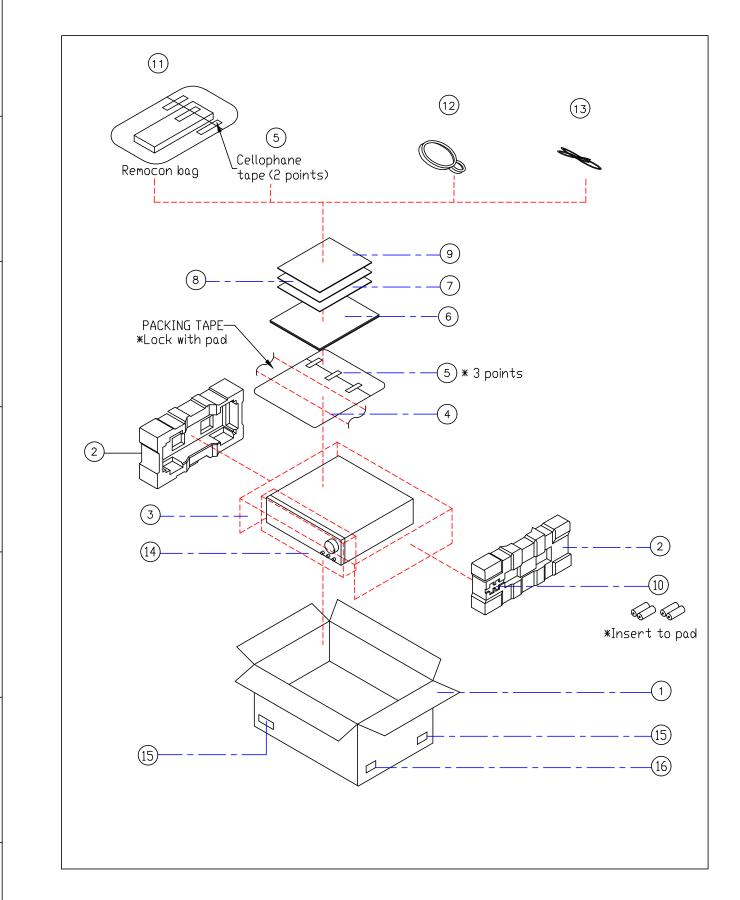
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426: KTC4370Y



Α AVR-300/500, UL/RDS WIRING DIAGRAM 1 8 1 2 1 POWER STD-BY ASS'Y NO. CN907 WA904 CN924 TUNER ASS'Y MAIN AMP ASS'Y PART NAME AVR500 AVR300RDS AVR500RDS AVR300 ASS'Y B-T0-B WA411 MAIN AMP ASS'Y J1320035101X J1320045101X J1320035201X J1320045201X WA903 REAR AMP ASS'Y J13200351021 J13200451021 J13200352021 J13200452021 B-TO-B FRONT ASS'Y J13200351022 J13200451022 J13200352022 J13200452022 SUB POWER ASS'Y COMPOSITE VIDEO ASS'Y J13200351023 J13200451023 J13200352023 J13200452023 J13200351024 J13200451024 J13200352024 J13200452024 S-VIDEO ASS'Y CN428 1 11 WA423 CN923 INPUT ASS'Y J1320035103X J1320045103X J1320035203X J1320045203X J13200351041 J13200451041 J13200352041 J13200452041 TUNER ASS'Y J13200351042 J13200451042 J13200352042 J13200452042 WA102 INPUT ASS'Y FRONT ASS'Y B-TO-B HU112 J1320035105X J1320045105X J1320035205X J1320045205X DSP ASS'Y В-ТО-В HU113 WA413 LCN986 1 WA416 HU116 B-T0-B HU121 WA424 SUB POWER SUPPLY ASS'Y MAIN POWER SW. ASS'Y DSP ASS'Y 1 WA419 HEAD PHONE ASS'Y WA981 B-T0-B HU721 WA985 WA702 T481 WA404 $\begin{bmatrix} 1 \\ 3 \end{bmatrix}$ 1 5 CN354 WA405 | 5 | 1 COMPOSITE VIDEO ASS'Y В-ТО-В HU351 | WA408 REAR AMP ASS'Y HU352 | | WA427 WA603 - NA625 CN425 | 1 | WA353 B-TO-B WA410 HU371 S-VIDEO ASS'Y WA426 HU372



*PACKING PARTS LIST

NΠ	PARTS NAME	PARTS NO.	MATERIAL	Q'TY	MODEL NO.
1	MASTER CARTON	J96000501000	DW−1, BR□WN	1	BK
		J96000503000	DW-1, BR□WN	1	IB
2	PAD. SIDE	j97300501000	PS-FM50, EPS	2	BK, IB
3	SHEET. POLY	j97000502000	PE-FOAM	1	BK, IB
4	BAG. POLY	j97000501000	PE T0.05	1	BK, IB
5	TAPE, CELLOPHANE			10cm	BK, IB
6	INSTRUCTION MANUAL	J93000501000	PAPER	1	BK
		J93000503000	PAPER	1	IB
7	CARD. WARRANTY	J97100505000	PAPER	1	BK
		J97100505000	PAPER	0	IB
8	CARD, POST	j97100506000	PAPER	1	BK
		j97100506000	PAPER	0	IB
9	CARD. SAFETYGUARD	j97100507000	PAPER	1	BK
		j97100507000	PAPER	0	IB
10	BATTERY, ASS'Y	j55100001000	AAA	2	BK, IB
11	REMOCON ASS'Y	J54000501000		1	BK
		J54000503000		1	IB
12	AM LOOP ANTENNA	j4482250031		1	BK, IB
13	ANT. FM	j4482250031		1	BK, IB
14	COVER. POLY	j97000503000	PE-FOAM	1	BK, IB
15	LABEL.BARCODE	J97100504000	PAPER	4	ВК
		J97100512000	PAPER	4	IB
16	LABEL.ORIGIN	j97100508000	PAPER	1	BK, IB